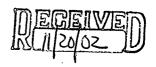
ROBERTSON, FREILICH, BRUNO & COHEN, L.L.C.

COUNSELLORS AT LAW

ONE RIVERFRONT PLAZA, 4TH FLOOR
NEWARK, NEW JERSEY 07102
TELEPHONE (973) 848-2100
FAX (973) 848-2138/2139



Writer's Direct Line: (973) 848-2105 Writer's e-mail: <u>ifreilich@rfbclaw.com</u> File # 0216-0001

November 19, 2002

VIA FEDERAL EXPRESS

United States Environmental Protection Agency Region II Emergency and Remedial Response Division 290 Broadway 19th Floor New York, New York 10007-1866

Atttn: Seth Ausubel; Remedial Project Manager

Re: Request for Information Pursuant to CERLCA re: the Berry's Creek Study Area

We are herewith submitting the responses of Electro-Miniatures Corporation to the CERCLA Section 104(e) request for information regarding the Berry's Creek Study Area, together with a copy of the documents requested.

The enclosed responses and documents are being submitted at this time as a result of the brief extension of time received from Clay Monroe, who agreed that Electro-Miniatures Corporation would have until November 20, 2002 to submit its responses.

A copy of the response is also being sent directly to Clay Monroe. Should there be any questions regarding this submission, please feel free to contact me directly.

Very truly yours

IRVIN M. FREILICH

IMF:lia Enclosures

cc: Clay Monroe; Asst. Regional Council (w/encl.)

82590

REQUEST FOR INFORMATION

1. a. State the correct legal name and mailing address of your Company.

RESPONSE: Electro-Miniatures Corporation 68 W. Commercial Avenue Moonachie, New Jersey 07074

b. Identify the legal status of your Company (corporation, partnership, sole proprietorship, specify if other) and the state in which your Company was organized or formed.

RESPONSE: A corporation organized under the laws of Delaware

c. State the name(s) and address(es) of the President, Chairman of the Board, and the Chief Executive Officer of your Company.

<u>RESPONSE</u>: Mark Pollack, President and CEO, 305 High Road, River Vale, New Jersey 07675

d. If your Company is a subsidiary or affiliate of another corporation. or has subsidiaries, identify each such entity and its relationship to your Company, and state the name(s) and address(es) of each such entity's President, Chairman of the Board, and Chief Executive Officer.

RESPONSE: Jamark Manufacturing (Subsidiary)
69 Anderson Avenue
Moonachie, New Jersey 07074
Mark Pollack, President and CEO

e. Identify the state and date of incorporation and the agent for service of process in the state of incorporation and in the state of New Jersey for your Company and for each entity identified in your response to question 1.d., above.

RESPONSE: Electro-Miniatures Corporation was incorporated in February of 1974. CT Corporation is the agent for service of process. Jamark Manufacturing was incorporated in 1998 and Mark Pollack is the agent for service of process.

f. If your Company is a successor to. or has been succeeded by another entity, identify such other entity and provide the same information requested in question 1.e., above.

RESPONSE: Jamark Manufacturing is the successor to F&G Manufacturing. F&G Manufacturing was incorporated in May of 1976, and was merged in to Jamark Manufacturing in February of 1999.

2. Provide a description of the Site. i.e. the property or properties in Moonachie, Bergen County, New Jersey, which your Company owned or owns, or upon which it operated or leased, or currently operates or leases. Include Block and Lot numbers, names of streets or physical features bounding the property(ies), and acreage.

RESPONSE: EMC and Jamark lease the premises located on the site Block 66, Lot 6, Borough of Moonachie. The site is approximately 1 acre and is bound by West Commercial Avenue. (Christiana Street) to the south and Anderson Avenue to the North.

3. Provide a narrative description of the nature of the Company's business. If the nature of the Company's business changed over time, please explain how it changed, (including any name changes) and approximately when the changes occurred.

RESPONSE: Electro-Miniatures and it's subsidiary are engaged in the design and manufacture of rotating electrical contacts known as slip ring assemblies. These devices consist of a series of rings (rotating) and associated brush contacts (stationary) which allow the transfer of electrical signal and/or power through a continuously rotating (360°) interface. They are used in military, industrial, aerospace and commercial applications where specialized contact arrangements are required (i.e., turrets, pedestal, machinery, platforms, arrays, etc.). This is the only product line currently or previously manufactured. (See corporate brochure enclosed).

4. Please specify the time period during which the Company leased, owned, and/or operated the Site. If the Company leased, owned or operated at portions of the Site, specify the time periods of such involvement, and appropriate block and lot numbers. If your Company ever leased the Site, provide copies of leases, names, current addresses and telephone numbers of each owner of the Site during the period the Company leased the Site.

RESPONSE: The Company has leased the premises as described in response to Request No. 2 since mid 1978. The property is owned by Jazz Realty, 305 High Road, River Vale, New Jersey 07675. Previously, the property was owned by A.Y. Realty.

5. Describe the Site at the time the Company took possession of it. If there was any business at the Site, explain the nature of that business.

RESPONSE: At initial move in, the current building was on the site. The building was in good condition and the interior was renovated to include offices, shop floor, quality area and clean room facilities. Previous tenant was a bulk mail distributor.

- 6. Describe in detail the nature of the activities conducted by the Company at the Site from the time the Company began operations at the Site until the present time, including:
 - RESPONSE: The Company and its subsidiaries have always designed and manufactured slip ring assemblies at the facility located in Moonachie. The activities involved in manufacture include various design, assembly, machining, finishing and testing operations. (1978-2002). Various plastics and epoxies are used in the casting and molding operations. EMC also maintains a small precious metals plating operation as well as a paint spray booth.
 - a. the services performed at the Site;
 - b. all products which the Company manufactured, supplied, or sold which resulted from activities at the Site;
 - c. research and development activities; and
 - d. the time period during which those activities occurred.
- 7. Did your Company cease operations at the Site? If so, when? Describe the circumstances that precipitated your Company's decision to cease operations at the Site.

RESPONSE: No.

8. Did your company generate hazardous wastes at the Site, or does your company currently do so? Please describe your company's treatment, storage and/or disposal practices for any hazardous wastes generated at the Site.

RESPONSE: Limited quantities of hazardous wastes have been and currently are generated at the site. Treatment, storage and disposal procedures are attached.

9. Provide a list of all local, state and federal environmental permits ever granted for the Site or any part thereof (e.g., RCRA permits, NPDES permits, etc.)

RESPONSE: Local and State Permits:

Hazardous material offsite disposal ID No. NJD069298602 NJDEP air pollution equipment/stack paint booth ventilation No. 104500 BCUA industrial wastewater discharge permit No. 0065 10. List all hazardous substances (as defined in the "Instructions"), which were, or are, used, stored, or handled at the Site.

RESPONSE: List attached.

11. State when and where each substance identified in your response to Question 10 was, or is, used, stored, or handled at the Site and the volume of each substance.

RESPONSE: List attached.

12. Describe in detail how and where the hazardous wastes, industrial wastes, and hazardous substances generated, handled, treated, and stored at the Site were, or are, disposed of. If any hazardous wastes, hazardous substances, or industrial wastes were, or are, taken off-site for disposal or treatment, state the names and addresses of the transporters and the disposal facility used.

RESPONSE: See response to Request No. 8 and the attached document referred to for treatment, storage and disposal procedures. See attached documents for off-site disposal/treatment information.

Transporter Information:

- 1. Freehold Carting Inc.
 P.O. Box 5010
 825 Route 33
 Freehold, New Jersey 07728
 (732) 462-1001
- 2. Amber Environmental Service (Radiac Research) 30 Harvard Trail Hopatcong, New Jersey 07843 (973) 770-9233
- 3. S & W Waste Inc. 115 Jacobus Avenue Kearny, New Jersey 07032 (201) 344-4004
- 13. Who determined, or determines, where to treat, store, and/or dispose of the hazardous substances and/or hazardous wastes handled at the Site? Provide the names and current or last known addresses of any entities or individuals which made such determination.

RESPONSE: Mark Pollack – President 305 High Road River Vale, New Jersey 07675 Jamie Pollack – Purchasing 305 High Road River Vale, New Jersey 07675

Marvin Wrenn – General Manager 229 Central Avenue Hasbrouck Heights, New Jersey 07604

Kenneth McCue – Quality Manger 900 Quinton Avenue Roebling, New Jersey 08554

Darel Wrenn – Shipping Manager 229 Central Avenue Hasbrouck Heights, New Jersey 07604

14. Describe in detail the remedial activities conducted at the Site under CERCLA, the Resource Conservation and Recovery Act (RCRA), and/or laws of the State of New Jersey. Describe your Company's involvement in the remedial activities.

RESPONSE: There have been no remedial activities conducted at the site.

15. Identify all leaks, spills, or releases into the environment of any hazardous substances, pollutants, or contaminants that have occurred, or are occurring, at or from the Site. Specifically identify and address any leaks, spills, or releases to the Berry's Creek Study Area. Identify:

RESPONSE: EMC is not aware of any leaks, spills or releases into the environment of any hazardous substances, pollutants or contaminants that have occurred, or are occurring at the site. However, in May of 1996, the Bergen County Utilities Authority detected a high copper reading in our waste water sample. This was a release to the sanitary sewer line. Moreover, this was a one-time occurrence and was highly suspect. The results were never duplicated in prior or subsequent sampling. Although the violation was disputed, the Company paid the minimum fine and no further discrepancies were detected. Copies of all related documents are included herein for your review.

- a. when such releases occurred;
- b. how the releases occurred;
- c. the amount of each hazardous substances, pollutants, or contaminants so released (for substances contained in any sewage effluent from the Site, provide discharge monitoring reports or other data indicating discharge concentrations and loads, as available);
- d. where such releases occurred;

- e. where such releases entered the Berry's Creek Study Area, if applicable. and
- f. the pathway by which such releases entered the Berry's Creek Study Area, including any storm sewers, pipes, or other conveyances discharging to a water body or wetland; or via surface runoff, groundwater discharge, or any spills, leaks, or disposal activities.
- 16. Please complete the form on page 5, below. Indicate on the form whether each of the chemicals listed has ever been released from the Site to the Berry's Creek Study Area, including creeks, ditches, or other water bodies, or wetlands. Follow all additional instructions on the form. In addition, please answer Question 15, above, specifically addressing any chemicals for which you answered "yes".

RESPONSE: Form enclosed (Page No. 5 regarding releases to Berry Creek).

17. Identify all companies, firms, facilities, and individuals (hereafter referred to as "customers") from whom your Company obtained, or obtains, materials containing Industrial Waste as defined in Number 6 of the Definitions and whose Industrial Waste was, or is, treated, stored, handled or disposed of at the Site. For each such customer:

RESPONSE: None.

- a. Describe the relationship (the nature of services rendered and products purchased or sold) between your Company and the customer;
- b. Provide Copies of any agreements or/and contracts between your Company and the customer;
- c. Provide the name and address of each customer who sent such materials, including contact person(s) within said customer;
- d. Provide shipping and transaction records pertaining to such Industrial Wastes sent by each customer, including but not limited to invoices, delivery receipts, receipts acknowledging payment, ledgers reflecting receipt of payment, bills of lading, weight tickets, and purchase orders; and
- e. Provide the name and address of all companies and individuals who transported, or transport, Industrial Wastes to the Site.
- 18. For each customers' Industrial Wastes handled, treated, stored, or disposed of at the Site, describe:

RESPONSE: None.

- i. the volume;
- ii. the nature;
- iii. chemical composition;
- iv. color;

- v. smell;
- vi. physical state (e.g., solid, liquid);
- vii. any other distinctive characteristics; and
- viii. the years during which each customer's materials were handled, treated, stored, or disposed of at the Site.
- 19. Please supply any additional information or documents that may be relevant or useful to identify other companies or sources that sent industrial wastes to the Site.

RESPONSE: None.

20. Please state the name, title and address of each individual who assisted or was consulted in the preparation of your response to this Request for Information and correlate each individual to the question on which he or she was consulted.

RESPONSE: See response to Request No. 13.

21. For each question herein, identify all documents consulted, examined, or referred to in the preparation of the answer or that contain information responsive to the question and provide true and accurate copies of all such documents.

RESPONSE: See documents attached.

Request for Information Regarding Chemical Releases to the Berry's Creek Study Area

<u>Instructions</u>: As instructed in Question 16, please complete this form by marking the appropriate spaces. Indicate whether each of the chemicals listed has ever been released from the Site to the Berry's Creek Study Area, including creeks, ditches, or other water bodies, or wetlands. Follow additional instructions below. Return the completed form along with your other responses to the Request for Information in the Matter of the Berry's Creek Study Area, Bergen County, New Jersey. N/A signifies no information available.

·	Yes	No	N/A
acenaphthene		×	
acenapthylene		*	
anthracene		×	
aluminum		*	
antimony		×	
arsenic		X	
benz(a)anthracene		×	
benzene			
benzo(a)pyrene		×	
benzo(b)fluoranthene		×	
benzo(g,h,i)perylene		×	
benzo(k)fluoranthene		X	
bis(2-ethylhexyl)phthalate		×	
butyl benzyl phthalate		X	
cadmium		×	
chlorinated dibenzo-p-dioxins (if "yes", please list specific dioxin		×	
compounds on a separate sheet)			
chlorinated dibenzofurans (if			
"yes", please list specific			
compounds on a separate sheet)			
chlorobenzene		×	
chloroform .		.×	
chromium		×	
chrysene		X	
copper -/		X	
cyanide		X	
dibenz(a,h)anthracene		- -	
dichlorobenzene 1,2-dichloroethene		2	
di-n-butyl phthalate		~	
1,2-dichlorobenzene		X	
1,2-dichloroethane		\sim	
dieldrin		×	
di-n-octyl phthalate		×	
ethylbenzene		X	
fluoranthene	^	X	

	1507		NI/A
	Y es	No	N/AJ
fluorene		X	
hexachlorobenzene		*	E S. Halland
indeno(1,2,3-cd)pyrene		X	
lead *** *****		<i>x</i>	
manganese		~	
mercury		~	
methylene chloride			
methyl ethyl ketone		- X	
methyl mercury		X	
2-methylnaphthalene		<i>- X</i>	
naphthalene		<u> </u>	
nickel		N	
pentachlorophenol		7	
petroleum hydrocarbons		<i>,</i>	10.0
phenanthrene		X	
phenol		Х_	
polychlorinated biphenyls (if "yes"		\	
please list specific congeners and aroclors on a separate sheet)			
polycyclic aromatic hydrocarbons			
(if "yes", please list specific			
compounds on a separate sheet, if		×	
not listed on this page)			
pyrene		×	
selenium 1920 de la companya de la c		×	
silver		×	
1,1,2,2-tetrachloroethane		Ά	
tetrachloroethylene		×	
thallium		X	
toluene .		×	
1,2-trans dichloroethylene		χ	
1,1,1-trichloroethane		×	
trichloroethylene		X	
vinyl chloride		. X	
xylene		χ	
zinc		X	

MARK POLACK
Name of person completing form

FLETRO-MINIATURES

MUONACHIE BOROUGH BLOCK IL LUT L

Company

Site (as defined in the "Instructions")

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of NEW JURSEY
County of BERGEN:
I certify that under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.
MARK POLACK NAME (print or type)
TITLE (print or type) SIGNATURE
Sworn to before me this

EPOXIES, MOLDING, ADHESIVES								, ;			
				CERCLA	An CER 20	20-6-20-5-5	UCEN				
HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION	HAZARD		WHERE USED		HOW STORED	WHERE STORED	QTY (LB/GAL)	STATUS
	682-01-9	DOW CORNING	3110 RTV SILICONE ELASTOMER	NONE			- AND LED	TION STOKED	- AUTORED	<100	SIAIUS
	NOT ASSIGNED	FIBERITE	E9405 BLACK MOLDING COMPOUND	NONE						<100	
	12001-26-2	FIBERITE	E9405 BLACK MOLDING COMPOUND	NONE						<100	
SILICA, CRYSTALLINE	14808-60-7	FIBERITE	E9405 BLACK MOLDING COMPOUND	NONE						<100	
TETRABROMOBISPHENOL A	79-94-7	FIBERITE	E9405 BLACK MOLDING COMPOUND	NONE						<100	
		DOW CORNING	F CATALYST	NONE						<100	
CYCLOALIPHATIC AMINE	1761-71-3	SOLAR COMPOUNDS CORP.	SOLARCURE 2		NO					<100	
DIGLYCIDYL ETHER OF BISPHENOL A	1675-54-3	SOLAR COMPOUNDS CORP.	SOLAR LN-0482-1 A	NONE	NO					<100	
EPOXY RESIN	25085-99-8	SOLAR COMPOUNDS CORP.	SOLAR LN-0482-2 A	NONE	NO					<100	
EPOXY RESIN	25068-38-6	SOLAR COMPOUNDS CORP.	SOLAR LN-0468-1 A	NONE	NO					<100	
EPOXY RESIN	25068-38-6	SHELL	EPON (R) RESIN 828	NONE	NO					<100	
EPOXY RESIN	25068-38-6	3M	2216 EPOXY A	NONE	NO					<100	
XYLENE	1330-20-7	INSL-X PRODUCTS CORP.	CLEAR ACTIVATOR (NORFOLK PAINT)	YES	YES	CASTING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
HOMOPOLYMER OF IPDI	53860-05-10	INSL-X PRODUCTS CORP.	CLEAR ACTIVATOR (NORFOLK PAINT)	NONE	YES					<100	
MAGNESIUM SILICATE HYDRATE	14807-96-6	MILLER-STEPHENSON	EPOXY 907 PART A	NONE	NO					<100	
		•					POTTING				
EPICHLOROHYDRIN (<.1%)	106-89-8	MILLER-STEPHENSON	EPOXY 907 PART A	YES	YES -	PRODUCTION	PROC.	METAL TUBES	STOCKROOM	<100	ACTIVE
DIETHYLENETRIAMINE	111-40-0	SHELL	EPI-CURE 3282 CURING AGENT	NONE	NO					<100	
BISPHENOL A	80-05-7	SHELL	EPI-CURE 3282 CURING AGENT	NONE	NO ·					<100	* •
BUTYL GLYCIDYL ETHER	2426-08-6	SHELL .	EPI-CURE 3282 CURING AGENT	NONE	NO					<100	
KAOLIN	1332-58-7	3M	2216 EPOXY A	NONE	NO				•	<100	
	25852-47-5	LOCKTITE		NONE	NO					<100	
			PAINT PRIMER: EPOXY MIL-P-23377G-				PAINTING				
ETHYLBENZINE	100-41-4	SHEWIN-WILLIAMS CO	1-C1.C (PART B)	YES	YES	PAINTING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
			PAINT PRIMER: EPOXY MIL-P-23377G-				PAINTING				
METHYL ISOBUTYL KEYTONE	108-10-1	SHEWIN-WILLIAMS CO	1-C1.C (PART B)	YES	YES	PAINTING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
							CASTING				
XYLENE	1330-20-7	INSL-X PRODUCTS CORP.	POLYAMIDE EPOXY RESIN # BEP50BG	YES	YES	CASTING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
							POTTING	PLASTIC			
		3-M	SCOTCHWELD DP 110 EPOXY PART A	YES	YES	PRODUCTION	PROC.	CONT.	STOCKROOM	<100	ACTIVE
		3-M	SCOTCHWELD DP 110 EPOXY PART B	NONE	NO			•,		<100	
		AMERICAN SAFETY	•								
		TECHNOLOGIES	INSULCURE 11B	NONE	NO					<100	
		RH CARLSON	NORCAST 141	NONE	NO					<100	
DIURON	330-54-1	EMERSON & CUMING	ECCOBOND 281 BLACK							<100	
ANTH IONIV TOLOVIDE	4000 04 4	500550 0055	DIALLYL PHTHALATE MOLDING				MOLDING	PLASTIC			INACTIVE /
ANTIMONY TRIOXIDE	1309-64-4	ROGERS CORP.	COMPOUND	YES	YES	MOLDING	PROC.	CONT.	FREEZER	<100	NO STOCK
DUENOI	100 05 0	BOCEBS CORP	FOARE DI ACIC MOI DINO COMBOUND	\/F0	\/=o		MOLDING	PLASTIC			
PHENOL	108-95-2	ROGERS CORP.	E9405 BLACK MOLDING COMPOUND	YES	YES	MOLDING	PROC.	CONT.	FREEZER	<100	ACTIVE

EPOXIES, MOLDING, ADHESIVES (CONT)

HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER		CERCLA	40 CFR 302		USED		WHERE	OTY.	
	CASRUMBER	AMERICAN SAFETY	DESCRIPTION	HAZARD	LISTING	WHERE USED	HANDLED	HOW STORED	STORED	(LB/GAL)	STATUS
		TECHNOLOGIES	INSULCAST 3256 HV A	NONE	NO					4400	
				110112	110		CASTING			<100	
4,4'-METHYLENE DIANILINE	101-77-9	UNIROYAL	TONOX 22 (MDA)	YES	YES	CASTING	PROC.	METAL CONT	STOCKROOM	-100	A OTIVE
			,		.20	O/10/1110	CASTING	MILTAL CONT.	STOCKROOM	l <100	ACTIVE
PHENOL	108-95-2	SHELL	EPON CURING AGENT (R) U	YES	YES	CASTING	PROC.	METAL CONT.	STOCKROOM	l <100	INACTIVE / NO STOCK
		WILCOX-SLIDDERS	PERMABOND 910 ADHESIVE	NONE	NO				01001110011	<100	110 3 1 0 C K
		LANDMARK	EPOXY DISPERSION NATURAL	NONE	NO					<100	
							CASTING			1100	INACTIVE /
4,4'-METHYLENE DIANILINE	101-77-9	RH CARLSON	NORCURE 135	YES	YES	CASTING	PROC.	METAL CONT.	STOCKROOM	<100	NO STOCK
		SHELL	EPON CURING AGENT (R) V-40	NONE	NO					<100	110 01001
		DOW CHEMICAL	D.E.N. (R) 438 EPOXY NOVAC	NONE	NO					<100	
		PACIFIC ANCHOR (MSDS	ANCAMINE K-61-B EPOXY RESIN								
		FROM 1985)	HARDENER	NONE	NO					<100	
, ,		2011/2021/11/2	93-500 SPACE GRADE ENCAPSULANT,								
		DOW CORNING	BASE	NONE	NO					<100	
•		DOM CODMING	93-500 SPACE GRADE ENCAPSULANT,								
		DOW CORNING	CURING AGENT	NONE .	NO					<100	
		GE SILICONES	RTV 11	NONE	NO					<100	
XZYLENE	1330-20-7	DOW CORNING	COA VA DAUCU				POTTING	PLASTIC			INACTIVE /
AZ TELNE	1550-20-7	DOW CORNING	994 VARNISH	YES	YES	PRODUCTION			FREEZER	<100	NO STOCK
BENZENE	71-43-2	DOW CORNING	994 VARNISH	YES	VEC	DDODUGTION	POTTING	PLASTIC			INACTIVE /
	11-40-2	DOW CORNING	HS II RTV BASE	NONE	YES	PRODUCTION	PROC.	CONT.	FREEZER	<100	NO STOCK
		DOW CORNING	HS II RTV CATALYST	NONE	NO NO					<100	
			MS 122 FLUOROCARBON RELEASE	NONE	NO		140101110			<100	
TRICLOROFLUORMETHANE	75-69-4	MILLER-STEPHENSON	AGENT	YES	YES	MOLDING	MOLDING PROC.	METAL CANO	0700//000		INACTIVE /
			EPIALL 1904-B EPOXY MOLDING	ILS	123	MOLDING		METAL CANS	STOCKROOM	<100	NO STOCK
PHENOL	108-95-2	ROGERS CORP.	COMPOUND	YES	YES	MOLDING	MOLDING PROC.	PLASTIC CONT.	CDCC3CD		
			EPIALL 1904-B EPOXY MOLDING	120	123	MOLDING	MOLDING		FREEZER	<100	ACTIVE
EPICHLOROHYDRIN	106-89-8	ROGERS CORP.	COMPOUND	YES	YES	MOLDING	PROC.	PLASTIC CONT.	EDCEZED	-400	4.070.45
		PERMATEX INDUSTRIAL CORP.	SILICONE BLUE RTV GASKET MAKER	NONE	NO	MOLDING	FROC.	CONT.	FREEZER	<100	ACTIVE
			SLYGARD 170 FAST CURE SLICONE		110					<100	
		DOW CORNING	ELASTOMER, PART A	NONE	NO			•		<100	
			SLYGARD 170 FAST CURE SLICONE							<100	
		DOW CORNING	ELASTOMER, PART B	NONE	NO					<100	
		DEXTOR ELECTRONIC			-					~100	
		MATERIALS	HYSOL AC5193 EPOXY RESIN	NONE	NO	•			4	<100	
		DEXTOR ELECTRONIC								-100	
		MATERIALS BUEHLER LTD	HYSOL RE2039 EPOXY RESIN	NONE	NO					<100	

11/12/02

EPOXIES, MOLDING, ADHESIVES (CONT).

HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION	CERCLA HAZARD	40 CFR 302	WHERE USED	USED HANDLED	HOW STOPEN	WHERE	QTY	- STATUS
	W.A. C. L. W. W. W. W. W.	BUEHLER LTD	EPO-KWICK EPOXY HARDENER	NONE	NO				AND OTO LED SANS	<100	201A103
		DOW CORNING	111 COMPOUND	NONE	NO					<100	
			DUREZ 156 PHENOLIC NOVOLAC							1100	
		OXYCHEM	THERMOSET MOLDING COMPOUND	NONE	NO					<100	
		BACON INDUSTRIES	ADHESIVE LCA-4LV	NONE	NO					<100	
							POTTING	PLASTIC			INACTIVE /
METHYL ETHYL KETONE (MEK)	78-93-3	STABOND CORP	VULCABOND V114	YES	YES	PRODUCTION	PROC.	CONT.	FREEZER	<100	NO STOCK
METHYL ETHYL KETONE (MEK)	78-93-3	SHELL	2-BUTANONE	YES	YES	PRODUCTION				<100	
			SCOTCHPLY SP-114 REINFORCED								
		3-M	PLASTIC	NONE	NO	_				<100	
			SCOTCHWELD BRAND DP-260 PARTS								
		3-M	A&B	NONE	NO					<100	
			SCOTCHWELD AF-163-2U								
		3M	STRUCTURAL ADHESIVE FILM	NONE	NO					<100	
							CASTING				INACTIVE /
4,4'-METHYLENE DIANILINE	101-77-9	SMOOTH-ON	SONITE 41 HARDENER	YES	YES	CASTING	PROC.	METAL CONT.	STOCKROOM	<100	NO STOCK
							POTTING	PLASTIC			INACTIVE /
4,4'-METHYLENE DIANILINE	101-77-9	MAGNOLIA PLASTICS	MAGNOBOND 3376, A & B	YES	YES	PRODUCTION	PROC.	CONT.	STOCKROOM	<100	NO STOCK
		RH CARLSON	NORCURE 134 EPOXY HARDENER	NONE	NO					<100	
		SHELL	EPON (R) RESIN 815	NONE	NO					<100	
			SCOTCHWELD AF-377K STRUCTURAL								
		3M	ADHESIVE FILM (WITH GLASS FIBER)	NONE	NO					<100	
			SCOTCHPLY SP-371 GLASS EPOXY								
		3M	PREPREG	NONE	NO			•		<100	
		OCCUPENTAL OUTMON	DUREZ 024150, POLYESTER MOLDING	NONE	NO						
EDICH ODCHWDDIN (CORDIN)	400.00.0	OCCIDENTAL CHEMICAL	COMPOUND	NONE	NO					<100	
EPICHLOROHYDRIN (60PPM)	106-89-8	CPS CHEMICAL	AGEFLEX BGE	NONE	NO					<100	
		DOW CORNING	F CATALYST	NONE NONE	NO					<100	
		SOLAR COMPOUNDS CORP. EMERSON & CUMING	SOLARITE EP 214, PART A CATALYST 9 CONDUCTIVE EPOXY	NONE	NO NO					<100	
		EMERSON & CUMING	ECCOBOND 83C CONDUCTIVE EPOXY	NONE	NO NO					<100	
- PROPYLENE GLYCOL T-BUTYL ETHER	57018 52 7	RANDOLPH PRODUCTS	WATERBORNE EPOXY CATALYST	NONE	NO					<100	
SILVER	7440-22-4	EMERSON & CUMING	ECCOBOND SOLDER 83C	YES	YES					<100	
SILVER	144U-ZZ -4	LIVILINGUIN & CUIVIING	ECCOBOND SOLDER 03C	IEO	100			•.		<100	

MOLD RELEASES OILS, LUBRICANTS

				CERCLA HAZARD			HOW USED/HANDLE		WHERE	QTY	
HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION			WHERE USED		HOW STORED		(LB/GAL)	STATUS
		DOW CORNING	7 RELEASE COMPOUND	NONE	NO	444	Time of the state			<100	
TRICLOROFLUORMETHANE	75-69-4	PRICE-DRISCOLL	EPOXY PARFILM	YES	YES	?				<100	
		3M	FC-43 LUBRICANT	NONE	NO					<100	
XZYLENE	1330-20-7	VALSPAR ·	RAM 225 MOLD RELEASE	YES	YES	MOLDING	PROCESS	METAL CANS	STOCKROOM		ACTIVE
ETHYLBENZINE	100-41-4	VALSPAR	RAM 225 MOLD RELEASE	YES	YES	MOLDING	PROCESS	METAL CANS	STOCKROOM	<100	ACTIVE
TOLULENE	108-88-3	VALSPAR	RAM 225 MOLD RELEASE	YES	YES	MOLDING	PROCESS	METAL CANS	STOCKROOM	<100	ACTIVE
		CASTROL	GREASE	NONE	NO					<100	
						MACHINE			MACHINE		
1,1,1-TRICHLOROETHANE	71-55-6	MONROE FLUID TECH	COOL TOOL	YES	YES	SHOP	MACHING	PLASTIC PAIL	SHOP	<100	ACTIVE
.,,,		AEROSPACE LUBRICANTS	TRIBOLUBE 13D	NONE	NO					<100	
1,1,1-TRICHLOROETHANE	71-55-6	THE OAKLAND CORP / ND IND	VC-3 VIBRA-TITE							<100	
.,.,.		MILLER-STEPHENSON	MS-122/CO2 MOLD RELEASE	YES	YES	MOLDING	PROCESS	METAL CANS	STOCKROOM	<100	INACTIVE
		MILLER-STEPHENSON	MS-122 FLUOROCARBON RELEASE							<100	
		AEROSPACE LUBRICANTS	TRIBOLUBE 16	NONE	NO					<100	
			METHYLENE CHLORIDE, VAPOR								
METHYLENE CHLORIDE	75-09-2	DOW CHEMICAL	DEGREASER	YES	YES	PRODUCTION	CLEANING	METAL CANS	STOCKROOM	<100	NO STOCK
			METHYLENE CHLORIDE, VAPRO				CLEANING				INACTIVE /
PRPYLENE OXIDE	75-56-9	DOW CHEMICAL	DEGREASER	YES	YES	PRODUCTION	AGENT	METAL CANS	STOCKROOM	<100	NO STOCK
		SHELL	AEROSHELL GREASE 7	NONE	NO					<100	
		NYE LUBRICANTS	LUBRICATING GREASE	NONE	NO					<100	
	56803-37-3	NYE LUBRICANTS	LUBRICATING OIL							<100	
	70983-72-1	NYE LUBRICANTS	LUBRICATING OIL							<100	
		CASTROL	GREASE	NONE	NO					<100	
	122-62-3	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL							<100	
	25619-56-1	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL							<100	
	92-84-2	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL							<100	
		SHELL	AEROSHELL GREASE 22	NONE	NO					<100	
		EXXON	BEACON 325 GREASE	NONE	NO					<100	
POLYALPFAOLEFINS	68027-01-4	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL	YES	YES	PRODUCTION	ASSEMBLY	METAL CONT.	STK ROOM	<100	ACTIVE
ORGANOPHILIC CLAY	71011 - 25-1	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL			•				<100	
SODIUM NITRITE	7632-00-0	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL							<100	
SODIUM CHROMATE, TETRAHYDRATE	7775-11-3	ROYAL LUBRICANTS	ROYCO 885 LUBICATING OIL							<100	
			SPRAYON DRY POWDER ZINC MOLD)							
HEPTANE	142-82-5	SHERWIN-WILLIAMS	RELEASE					•.		<100	
			SPRAYON DRY POWDER ZINC MOLD)				-			
1,1-DIFLUOROETHANE	75-37-6	SHERWIN-WILLIAMS	RELEASE							<100	
			SPRAYON DRY POWDER ZINC MOLE)							
HEPTANE	142-82-5	SHERWIN-WILLIAMS	RELEASE							<100	
			SPRAYON DRY POWDER ZINC MOLE)							
1,1-DIFLUOROETHANE	75-37-6	SHERWIN-WILLIAMS	RELEASE							<100	
	•	DOW CORNING	RELEASE PASTE COMPOUND							<100	
METHYLENE CHLORIDE	75-09-2	LILLY	MOLD RELEASE MR 225							<100	

ALCOHOLS AND SOLVENTS											
				CERCLA	40 CFR 30		HOW USED/HANDLE		WHERE	QTY	
HAZARDOUS SUBSTANCE	- CAS NUMBER	MANUFACTURER	DESCRIPTION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		WHERE USED	Maria Caralla	HOW STORED		O	∵STATUS 🌣
TRICHLOROETHYLENE	79-01-6	DOW CHEMICAL	NEU-TRI SOLVENT		and the second s		College Colleg		and the second s	<100	And the Control of th
DICHLOROFLUOROETHANE	1717-00-6	ALLIED CHEMICALS	GENESOLV 2000 SOLVENT							<100	
ISOPROPAL ALCOHOL	67-63-0	ALPHA METELS	611 MILDLY ACTIVATED FLUX							<100	
							CLEANING	METAL			INACTIVE /
FREON 113	76-13-1	E.I. DU PONT	FREON TF CLEANING AGENT	YES	YES	PRODUCTION	AGENT	DRUMS	STOCKROOM	<100	NO STOCK
ISOPROPANOL	67-63-0	UNOIN CARBIDE	ISOPROPYL ALCOHOL							<100	
										<100	
							POTTING				
ETHYL BENZENE	100-41-4	THE P.D.GEORGE CO	STERLING 77X-010 CLEAR AIR DRY	YES	YES	PRODUCTION	PROC.	METAL CANS	FREEZER	<100	ACTIVE
							POTTING				
XZYLENE	1330-20-7	THE P.D.GEORGE CO	STERLING 77X-010 CLEAR AIR DRY	YES	YES	PRODUCTION	PROC.	METAL CANS	FREEZER	<100	ACTIVE
							POTTING				
TOLULENE	108-88-3	THE P.D.GEORGE CO	STERLING 77X-010 CLEAR AIR DRY	YES	YES	PRODUCTION	PROC.	METAL CANS	FREEZER	<100	ACTIVE
		LAROCHE INDUSTRIES	HCFC-141B	NONE	NO					<100	
ETHYLENE GLYCOL DIMETHYL ESTE	R 110-71-4	W.L. GORE	TETRA-ETCH							<100	
SODIUM NAPHTHALENE	113492-05-0									<100	
VINYL METHYL ETHER	107-25-5									<100	
							POTTING	PLASTIC			
TOLULENE	108-88-3	EMERSON & CUMINGS	ECCO COAT EC 200	YES	YES	PRODUCTION	PROC.	CONT.	STOCKROOM	<100	ACTIVE
							POTTING	PLASTIC			
METHYL ISOBUTYL KETONE	108-10-1			YES	YES	PRODUCTION	PROC.	CONT.	STOCKROOM	<100	ACTIVE
							POTTING	PLASTIC			
BENZENE	71-43-2			YES	YES	PRODUCTION	PROC.	CONT.	STOCKROOM	<100	ACTIVE
							POTTING	PLASTIC			
EPICHLOROHYDRIN (5PPM)	106-89-8			YES	YES	PRODUCTION	PROC.	CONT.	STOCKROOM	<100	ACTIVE
· ,		W.F. NYE	NYEBAR CT BARRIER FILM	NONE	NO					<100	
		MASTER CHEMICAL	FLUID	NONE	NO					<100	
		VULCAN CHEMICALS	TRICLOROMETHANE	NONE	NO					<100	
				NONE	NO					<100	
•		DUPONT	DIBASIC ESTER	NONE	NO					<100	

PLATING CHEMICALS

				the second second	40 CFR 302	A	USED/HANDLE	7 7	WHERE	QTY	
HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION	SUBSTANCE	LISTING	WHERE USED		HOW STORED		(LB/GAL)	STATUS
							PLATING	PLASTIC	STOCKROOM /		
POTASSIUM CYANIDE	151-50-8	TECNIC INC	POTASSIUM CYANIDE	YES	YES	PLATING BATH	PROC.	CONT.	PLATING	<100	ACTIVE
		OMI ENTHONE	SILVREX 400 BRIGHTENER	NONE	NO					<100	
		TECNIC INC	ACTIVATING SALTS CU 85	NONE	NO					<100	
		TECNIC INC	TECNI-SILVER E BRIGHTENER	NONE	NO					<100	
		TECNIC INC	TG-30 GOLD SALTS	NONE	NO					<100	
							PLATING	PLASTIC	PLATING		
NICKEL SULFATE	7786-81-4	TECNIC INC	WATTS SEMI-BRIGHT NICKEL	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
							PLATING	PLASTIC	PLATING		
NICKEL CHLORIDE	7718-54-9	# #	er et	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
		HUBER	HUBER 15	NONE	NO ·					<100	
							PLATING	PLASTIC	PLATING		
POTASSIUM HYDROXIDE	1310-58-3	OMI ENTHONE	SILVREX 3 BRIGHTENER A	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
		TECNIC INC	TECHNI-NICKEL ANTIPITTER HN-6	NA	NA					<100	
							PLATING	PLASTIC	PLATING		
POTASSIUN SILVER CYANIDE	506-61-6	TECNIC INC	POTASSIUN SILVER CYANIDE	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
							PLATING	PLASTIC	PLATING		
SELENIUM DIOXIDE	7446-08-4	TECNIC INC	TECHNI-SILVER E-2 BRIGHTENER	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
		•					PLATING	PLASTIC	PLATING		
HYDRAZINE	302-01-2	TECNIC INC	TECHNI-SILVER E-2 BRIGHTENER	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
							PLATING	PLASTIC	PLATING		
NICKEL SULFATE	7786-81-4	CP CHEMICALS	NICKEL SULPHATE SOLUTION	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE	<100	ACTIVE
		FMC	HYDROGEN PEROXIDE	NONE	NO					<100	
		TECNIC INC	TECHNI NICKEL ANTI-PITTER	NONE	NO					<100	
		TECNIC INC	NICKEL WS BRIGHTENER	NONE	NO					<100	
							PLATING	PLASTIC	PLATING		
NICKEL CHLORIDE	7718-54-9	TECNIC INC	LIQUID NICKEL CHLORIDE	YES	YES	PLATING BATH	PROC.	CONT.	STORAGE .	<100	ACTIVE
TO LEE OF LEE TO		TECNIC INC	CALCIUM NITRATE	NONE	NO					<100	
			3. 1 <u>-</u> 3.3				PLATING	PLASTIC	PLATING		
SODIUM FLUORIDE	7681-49-4	TECNIC INC	TECHNIC TAZ 3Z	YES	YES	PLATING	PROC.	CONT.	STORAGE	<100	ACTIVE
OODIOW I EOORIDE	7001 40 4	1201110 1110	SILVER E BRIGHTENER - POTASSIUM	.20	0						
		TECNIC INC	ANTIMONYL TARTRATE	NONE	NO					<100	
		I F CANICA IINCA									
		TECNIC INC LUSTER-ON	LUSTER-ON 401	NONE	NO			٠.		<100	



MCIDS & CAUSTICS	d			- e. g g g g g g g.							**************************************
				CERCLA			HOW				
				727 288	40 CFR 302		USED/HANDLE		WHERE	QTY	
HAZARDOUS SUBSTANCE	CAS NUMBER		DESCRIPTION	SUBSTANCE	and the same of the same	WHERE USED	D :	HOW STORED	STOKED		STATUS
		TECNIC	TECNI-GOLD 30 PHOSPHATE	NONE	NO		DI ATINIO	DI 40710	DI 47110	<100	
LIVER COLL ORIGINALIS	7047.04.0	DDD OUEMON OODD	A OLD CODDED OF EARLED	VEC	VEC	DI ATIMO		PLASTIC	PLATING	-400	INACTIVE /
HYDROCHLORIC ACID	7647-01-0	RBP CHEMICAL CORP.	ACID COPPER CLEANER	YES	YES	PLATING		CONT.	STORAGE	<100	NO STOCK
0.0.5.00.0.4.000	7004.00.0	MARIOUS	CHI ELIDIO ACID	VEC	VEC	DI ATIMO	PLATING	PLASTIC	PLATING	-100	4 OT0 /F
SULFURIC ACID	7664-93-9	VARIOUS	SULFURIC ACID	YES	YES	PLATING	PROC.	CONT.	STORAGE	<100	ACTIVE
 LIVER COLL CRIC ACID	7047.04.0	VADIOUS	AUDIATIC ACID	VEC	VEC	PLATING	-	PLASTIC	PLATING	-400	INACTIVE /
HYDROCHLORIC ACID	7647-01-0	VARIOUS	MURIATIC ACID	YES NONE	YES	PLATING	PROC.	CONT.	STORAGE		NO STOCK
		INTEROX AMERICA	AMMONIUM PERSULPHATE	NONE	NO		DI 471410	DI AOTIO	DI 471110	<100	
000000000000000000000000000000000000000	4040 70 0	DIAMOND CHAMBOOK	CALICTIC CODA	VEC	VEC	DI ATIMO		PLASTIC	PLATING	-100	A 070 /F
SODIUM HYDROXIDE	1310-73-2	DIAMOND SHAMROCK	CAUSTIC SODA	YES	YES	PLATING	PROC.	CONT.	STORAGE	<100	ACTIVE
DUGGDUGGIG AGID	7004.00.0	DANIDOL BUL BROOKLISTS	ACID DILLIENT	VEC	VEC	PAINTING		PLASTIC	CTOOKBOOM	-100	INACTIVE /
PHOSPHORIC ACID	7664-38-2	RANDOLPH PRODUCTS	ACID DILUENT	YES NONE	YES NO	PAINTING	PROC.	CONT.	STOCKROOM		NO STOCK
		TECNIC	BORIC ACID	NONE	NO		DI ATIMO	DI AOTIO	DI ATINO	<100	
NUTDIO AOID	7007.07.0	VARIOUS	NITRIC ACID	YES	YES	PLATING		PLASTIC CONT.	PLATING STORAGE	-100	A CTIVE
NITRIC ACID	7697-37-2	VARIOUS	NITRIC ACID	159	169	PLATING				<100	ACTIVE
CLIDOMIC ACID	7738-94-5	LUSTER-ON	ACID DIP 224L	YES	YES	PLATING		PLASTIC CONT.	PLATING STORAGE	<100	ACTIVE
CHROMIC ACID	7730-94-3	LUSTER-UN	ACID DIP 224L	163	163	PLATING		PLASTIC	PLATING	~100	ACTIVE
NITRIC ACID	7697-37-2	м н	# #	YES	YES	PLATING		CONT.	STORAGE	<100	ACTIVE
NITRIC ACID	1091-31-2			123	163	FLATING		PLASTIC	PLATING	~100	ACTIVE
SODIUM BICHROMATE	10588-01-9	н н	нн	YES	YES	PLATING	PROC.	CONT.	STORAGE	<100	ACTIVE
SODIOM BICHROMATE	10300-01-9			120	123	LATINO		PLASTIC	PLATING	100	ACTIVE
AMMONIUM BIFLUORIDE	1341-49-7	м н	я я	YES	YES	PLATING		CONT.	STORAGE	<100	ACTIVE
AMMONION BIT LOOKIDE	1041-43-1			120	120	LATINO	PLATING	PLASTIC	PLATING	1100	AOTIVE
AMMONIUM BIFLUORIDE	1341-49-7	LUSTER-ON	KEMFLUR	YES	YES	PLATING		CONT.	STORAGE	<100	ACTIVE
AMMONION BIT LOOKIDE	1041-45-7	EGG (EK-OK	KEMI EOK	120	120	1211110		PLASTIC	PLATING	1100	AOTIVE
ACETIC ACID	64-19-7	TECHNIC	ACETIC ACID	YES	YES	PLATING		CONT.	STORAGE	<100	ACTIVE
ACETIC ACID	04-13-7	TEO II 110	WHITE DOT METAL SCRUBBING	120	120	1 5 (1110		001111	CTOTATOL ,	-100	NOTIVE
		ETCHOMATIC	COMPOUND	NONE	NO					<100	
		TECHNIC	TECHNISTRIP II	NA NA	NA					<100	
		LOTINO	TEOTIMOTIME II	11/3	IIA		PLATING	PLASTIC	PLATING	100	
PHOSPHORIC ACID	7664-38-2	TECHNIC	B/N CLEANER	YES	YES	PLATING		CONT.	STORAGE	<100	ACTIVE
THOSE HORIO ACID	1004-00 2	12011110	DITT VEET WILLY		. 20				3.3.0.02	. 100	

MISCILANEOUS

MISCILANEOUS HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION	CERCLA HAZARD SUBSTANCE	40 CFR 302 LISTING		HOW USED/HANDLE D	HOW STORED	WHERE STORED	QTY (LB/GAL)	STATUS
HAZANDOUS SUBSTAINCE	OAS HUMBER	* INCHAIL VOLONEIX	DESCRIPTION				PAINTING		and the second s	المتلعم بالمسالي ومتسدان	INACTIVE /
MEK-	78-93-3	RANDOLPH PRODUCTS	EPOXY THINNER MIL-T-81772B	YES	YES	PAINTING	PROC.	METAL CANS	STOCKROOM	<100	NO STOCK
PROPYLENE GLYCOL MONOMETHYL	407.00.0	DANIDOLDU DDODLIOTO	EPOXY THINNER MIL-T-81772B	NONE	NO					<100	
ETHER	107-98-2	RANDOLPH PRODUCTS	EPOXY THINNER MIL-1-01/126	NONE	NO		PAINTING			1100	INACTIVE /
METHYL ISOBUTYL KETONE	108-10-1	RANDOLPH PRODUCTS	EPOXY THINNER MIL-T-81772B	YES	YES	PAINTING	PROC.	METAL CANS	STOCKROOM	<100	NO STOCK
ISOPROPYL ALCOHOL	6 7-63-0	RANDOLPH PRODUCTS	ACID DILUENT	NONE	NO					<100	
		MILLER-STEPHENSON	AERO-DUSTER MS-225	NONE	NO					<100	
		LUSTER .	197 ROSIN FLUX	NONE	NO					<100	
PAINT	1										
	The state of the s		AND THE PROPERTY OF THE PROPER	CERCLA			HOW		2.2		
				HAZARD	40 CFR 302		USED/HANDLE D		WHERE	QTY (LB/GAL)	PHILATS
HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION	SUBSTANCE	LISTING	WHERE USED	PAINTING	HOW STORED	STORED	(LDIOAL)	OIAIOO
ZINC CHROMATE	13530-65-9	RANDOLPH PRODUCTS	GREEN WASH PRIMER	NONE	NO	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
ZING OF INCIDIALE	10000 00 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>				PAINTING				
ISOPROPYL ALCOHOL	67-63-0	RANDOLPH PRODUCTS	GREEN WASH PRIMER	NONE	NO	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
				VEC.	YES	COATING	PAINTING PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
BUTYL ALCOHOL	71-36-3	RANDOLPH PRODUCTS	GREEN WASH PRIMER	YES	169	COATING	PAINTING	WETAL CANS	STOCKKOOM	100	ACTIVE
METHYL ETHYL KETONE (MEK)	78-93-3	RANDOLPH PRODUCTS	GRAY SEMI-GLOSS COMP A 26270	YES	YES	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
WETTILE ETTILE RETORE (WERK)	70-33-3	TVIII DOLI TTI NODOGIO					PAINTING				
TOLULENE	108-88-3	RANDOLPH PRODUCTS	GRAY SEMI-GLOSS COMP A 26270	YES	YES	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
					V.E.O.	00471110	PAINTING	METAL CANC	CTOCKDOOM	<100	ACTIVE
TOLULENE	108-88-3	RANDOLPH PRODUCTS	CATALYST COMP B 1:1 MIX PAINT	YES	YES	COATING	PROC. PAINTING	METAL CANS	STOCKROOM	~100	ACTIVE
VZVI ENE	1220 20 7	RANDOLPH PRODUCTS	CATALYST COMP B 1:1 MIX PAINT	YES	YES	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
XZYLENE	1330-20-7	RANDOLPH PRODUCTS	CATACIST COMI B 13 MIXTAIN	.20	. 20		PAINTING				
BUTYL ACETATE	123-86-3	RANDOLPH PRODUCTS	CATALYST COMP B 1:1 MIX PAINT	YES	YES	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
							PAINTING				
ETHYL BENZINE	100-41-4	RANDOLPH PRODUCTS	CATALYST COMP B 1:1 MIX PAINT	YES	YES	COATING	PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
PROPYLENE GLYCOL MONOETHYL			OATAL VOT COMP D 4.4 MIV DAINT	VEC	YES	COATING	PAINTING PROC.	METAL CANS	STOCKROOM	<100	ACTIVE
ETHER	108-65-6	RANDOLPH PRODUCTS	CATALYST COMP B 1:1 MIX PAINT YELLOW WATERBORNE EPOXY	YES	169	COATING	FROC.	WIL TAL CANO	STOCKROOM	100	ACTIVE
CHROMIUM	7440-47-3	RANDOLPH PRODUCTS	PRIMER	YES	YES	COATING				<100	
	1770 7170		YELLOW WATERBORNE EPOXY								
STRONTIUM CHROMATE	7789-06-2	RANDOLPH PRODUCTS	PRIMER	YES	YES	COATING			•	<100	
ETHYL BENZINE	100-41-4	SHERWIN-WILLIAMS	MIL-C-22750 EPOXY PAINT PART A	YES	YES	COATING	:	v.	\$	<100	
METHYL ETHYL KETONE (MEK)	78-93-3	OUT AT DE O	COLVENT BACE BAINT (DAM)	YES	YES	COATING COATING				<100 <100	
BENZENE	71-43-2	CHEMTREC	SOLVENT BASE PAINT (RAM)	YES	YES	COATING				~100	

	Tag		,					**************************************		
METALS										
				CERCLA			HOW	心理 第三四十五	小图 多 多	
				HAZARD	40 CFR 30	2	. USED/HÄNDL	E A. A. Gerra	WHERE	QTY
HAZARDOUS SUBSTANCE	CAS NUMBER	MANUFACTURER	DESCRIPTION	SUBSTANCE	LISTING	WHERE USED	D	HOW STORE	STORED :	(LB/GAL) STATUS
COPPER	7440-50-8	VARIOUS -	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
PHOSPHORUS	7723-14-0	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
SILVER	7440-22-4	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
CHROMIUM	7440-47-3	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
- COPPER	7440-50-8	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
NICKEL	7440-02-0	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
PHOSPHORUS	7723-14-0	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
ZINC	7440-66-6	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
MOLYBDENUM	7439-98-7	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
IRON	1309-37-1	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
MANGANESE	7439-96-5	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
PLATINUM	7440-06-4	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
CADMIUM	7440-43-9	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
PALLADIUM	7440-05-3	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODÚCT	VARIOUS	PROD WIDE	ACTIVE
ALUMINUM	7429-90-5	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
SILICON	7440-21-3	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
CARBON	7440-44-0	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
COBALT	7440-48-4	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
SELENIUM	7782-49-2	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
TITANIUM	7440-32-6	VARIOUS	. VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
BERYLLIUM	7440-41-7	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
TUNGSTEN	7740-33-7	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
TIN	7440-31-5	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
ANTIMONY	7440-36-0	VARIOUS	VARIOUS	YES	YES	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
GOLD	7440-57-5	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
IRIDIUM	7439-88-5	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
ZIRCONIUM	7440-67-7	VARIOUS	VARIOUS	NONE	NO	PROD. WIDE	PRODUCT	VARIOUS	PROD WIDE	ACTIVE
•										

MISC							· · · · · · · · · · · · · · · · · · ·		
	CAS NUMBE	R MANUFACTURER	DESCRIPTION	CERCLA HAZARD SUBSTANCE	40 CFR 302	HOW: USED/HANDLE IERE USED D HOW STOR	WHERE'	QTY (LB/GAL) STATUS	i ÷
MAZARDOUS SUBSTANCE	OAS ROMBI	CHEMO MFG CO	BOOTH STRIP PEELABLE COATING	NONE	NO		, 1 mars 10 m	<100	
SOURCE (MEK)	78-93-3	TOLBER DIV./ PYRAMID PLASTICS	MICROPEEL	YES	YES	# _.	ي. ساني	<100	



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE • MOONACHIE. NEW JERSEY 07074 (201) 460-0510 FAX # (201) 935-8153

MBER ENVIRONMENTAL SERVICES 0 HARVARD TRAIL IOPATCONG, NJ 07843

73-770-9933 GERALD NATALI

PURCHASE ORDER

No. H 4533

DATE: _____6/9/00

The above order number must appear on all Invoices, packing slips and correspondence.

Ship to above address unless otherwise indicated.

INSTRUCTIONS, TERMS AND CONDITIONS AS SHOWN ON THE FACE AND REVERSE SIDE HEREOF ro: SHIP VIA **DELIVERY REQUIRED** TERMS N/A SEE BELOW SEE BELOW IMENT CONTRACT NO: _ INSPECTION: AUTOMATIC GOVERNMENT SOURCE **GOVERNMENT SOURCE** ED UNDER D.M.S. REGULATION NO. DESTINATION QUANTITY OUR PART NO. DESCRIPTION UNIT PRICE **EXTENSION** LOT REMOVAL AND TRANSPORTATION AND DISPOSAL OF ALL WASTE LOT \$5,000.00 MATERIALS IN HOUSE AT EMC. (SEE 6/2/00 LIST ATTACHED). (INCLUSIVE) AND PER AMBER QUOTE 202605 REVISED DATED 6/6/00 AND AMBER LETTER/PACKAGE DATED 5/23/00 OUTLINING PERMITS, CARRIERS, LICENSES AND APPROVALS. WORK TO INCLUDE: SCOPE OF WORK PROPOSAL: ANALYTICALS - DRAW SAMPLES, ANALIZE FOR CORROSIVITY. CYAMIDE, PCB'S AND TOTAL RCRA METALS (APPROX. 1 WEEK FOR RESULTS). DETECTED LEVELS MAY RESULT IN ADDITIONAL CHARGES. LAB PACK TECHNICIAN AND HELPER CLASSIFY, PACK AND LABEL CONTAINERS ON WASTE MATERIAL

PROVIDE CONTAINERS AND PACKING MATERIALS

TRANSPORT AND DISPOSE/RECYCLE WASTE ON WASTE

CLASSIFY, PACK, LABEL, LOAD AND TRANSPORT WITHIN 10 DAYS

PAYMENT \$2000.00 DUE AFTER 1ST DAY OF WORK COMPLETED

Note: Certificate of Destruction, Recycling

and/or disposal will be mailed to the customer.

BALANCE NET 30 OF COMPLETION OF REMOVAL OF ALL

TRANSPORATION AND DISPOSAL

AFTER RECEIPT OF ANALYTICALS

FROM TIME OF ACCEPTANCE

CLASSIFY, PACK, LABEL ETC.

PLEASE ENTER OUR ORDER FOR THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE

Certificate of Compliance Required NO

proving compliance to the requirements of applicable and/or specifications is to be supplied with each shiplaterial on this order in triplicate. Appropriate test reports tificates to be on file for buyer's review and verification on invoices will not be honored unless Certificate of Compliance 1.

LIST SUPPLIES

MATERIAL LIST

PRODUCTS

ed Shipping Date cannot be met, notify buyer by slephone at once, advising new Shipping Date.

ELECTRO-MINIATURES CORP.

Originating Buyer

Total Price

Purchasing Manager

\$ 5000.00

WASTE MATERIALS LIST

UNUSEABLE INVENTORY

UNITS	TOTALS	·
1 GALLON CANS -	109 GALLONS	PAINT (EPOXY-POLYAMIDE, ENAMEL, PRIMERS, ETC.)
5 GALLON PAIL -	5 GALLONS	DEN483 EPOXY RESIN
5 GALLON PAIL -	5 GALLONS	ROYCO 885A LUBRICANT
1 GALLON CANS -	8 GALLONS	SHELL EPON 828 RESIN
5 GALLON PAIL -	2 GALLON	METHANOL
5 GALLON PAIL -	1 GALLON	KESTER RESIN RESIDUE REMOVER
1 QT BOTTLES -	6 QTS.	EPON V 40 CURING AGENT
1 GALLON CANS -	1 GALLON	DYNASOLVE 200
1 QT CAN	7 QTS.	ATHEY PAINT ENAMEL CHEMICAL COATING
1 GALLON BOTTLES -	5 GALLONS	NEUTRALIZER S-39
1 GALLON CAN -	1 GALLON	PUROIL
1 GALLON CAN -	1 GALLON	PROPYLENE GLYCOL
1 GALLON CAN -	1 GALLON	IPA 91% M71465 FLAMIBLE LIQUID
1 GALLON CANS -	1 GALLONS	MICRO STRIP A MICRO PEEL COATING
1 GALLON CAN -	3 PINTS	INSULCAST #135
30 GALLON DRUMS -	60 GALLONS	NICKEL SUFATE SOLUTION (OLD BATHS)
15 GALLON DRUM -	8 GALLON	NITRIC ACID SOLUTION?
1 Gallon Can-	2 QUARTS	ALPHA #615 RMA FLUX
1 GALLON CAN-	1 GALLON	KESTER SOLDER FLUX REMOVER
1 GALLON CAN-	1 GALLON	MILLER STEPHENSON- STRIPPER MS-111
1 QUART CAN-	3 QUARTS	ACRYLOID RESI SOLUTION GRADE B-72
2 GALLON CAN-	1 GALLON	ACRYLOID A-50 POWDER
5 GALLON CAN -	10 LBS.	FIBERITE MOLDING COMPOUND
1 QUART BOTTLE-	2 QUATS	GE VERSILUBE 50 SILICONE FLUID
1 GALLON CAN-	1 GALLON	PRECISION ADHESIVE 1911
30 GALLON DRUM-	10 GALLONS	USED TRICLORETHYLENE
2 GALLON CAN-	1.5 GALLONS	USED FREON
55 GALLON DRUMS -	2 - 55 GALLON	OLD OIL USED FOR CUTTING MAKING POLISHED DRUMS
30 GALLON DRUMS -		WASTE OIL
15 GALLON DRUM -	15 GALLONS	WASTE OIL
55 GALLON DRUM -	55 GALLONS	WASTE WATER FROM PLATING
•		•
SE CALL ON DENIE	CE CALL CAIC	
55 GALLON DRUM -	55 GALLONS	SPENT IRRIDITE SOLUTION / ALUMINUM CHROMATE
15 GALLON DRUM -	15 GALLONS	SPENT IRRIDITE SOLUTION / ALUMINUM CHROMATE

OF MATERIAL DOES NOT CONSTITUTE ACCEPTANCE UNLESS SAME CONFORMS TO THE TERMS AND JONS SPECIFIED HEREUNDER. WE FURTHER RESERVE THE RIGHT TO FILE CLAIM AT A LATER DATE FOR ALT RAGE, DAMAGE OR LACK OF CONFORMITY WITH OUR SPECIFICATIONS AFTER INSPECTION.

TERMS AND CONDITIONS

The within Purchase Order and the terms and conditions here set forth and the Sellers acceptance (either in writing or by the shipment of any of the goods ordered or the furnishing of any of the services to be rendered) shall constitute the entire contract between the Seller and the Buyer. There are no oral modifications.

Each package or container shall be numbered and labeled with the Buyer's order number, requisition number and an itemized packing slip shall be included in each package or container. No charge shall be added for packaging, crating or boxing unless agreed upon in writing at time of purchase. Damage to any material not properly packed will be charged to the Seller or said damaged material held for disposition for the account of the Seller.

Seller warrants that all articles, material and/or work referred to by this Purchase Order will conform with applicable specifications, drawings, samples and/or other descriptions given to Seller and will be free from all defects. Without limitations of any rights which the Buyer may have at law by reason of any breach of warranty, materials which are not as warranted may, at any time within three months after delivery, be returned at Seller's expense for either credit or replacement as Buyer may direct Services which are not in accordance with this Order shall likewise be subject to adjustment.

The Buyer's acceptance of any material covered by this Order or the payment in whole or part of any invoices pertinent thereto and/or its subsequent use shall not constitute a waiver of any of Buyer's rights.

Material shipped in excess of quantity ordered may be returned at Seller's expense.

All material or services covered by this Order shall be subject to inspection and test over a reasonable period of time by Buyer or by the US Government if the latter is interested therein.

Buyer reserves the right to make changes in the drawings and/or specifications relating to this Order. In the event such changes cause substantial variation in furnishing the goods or services covered hereby, the prices of such goods shall be varied in the same ratio provided, however, that no extra charge shall be made by Seller, unless such change is requested by Buyer in writing duly delivered to Seller, and any claim for increased prices is made promptly.

The prices stated in the Order shall not be increased by reason of any tax or taxes imposed by present or future Federal, State or local law.

In the event this order involves work or services to be performed on material furnished by Buyer, said material shall be delivered to Seller on consignment, title thereto shall remain with the Buyer, the Seller shall be liable for any of such material spoiled by Seller or Seller's agents or sub-contractors. All under such circumstances shall be protected by Seller against all lose or damage by insurance acceptable to Buyer, Buyer retains and reserves title to any designs and drawings furnished Seller in connection with this Order and no such design or drawing shall, without Buyer's written permission, be used in connection with goods furnished to others. The contents of all such drawings and designs shall be held by the Seller in strict confidence and not divulged by the Seller to any other person, firm, or corporation.

- 10. It is expressly understood and agreed that if the material or services contemplated by the within Purchase Order are part of the performance by Buyer of a contract for the US Government or any of its agencies, contractors, Seller will comply with all such further requirements including, but not limited to, those pertaining to cancellation as may be imposed upon Buyer by the US Government of any of its agencies directly or through prime contractors or sub-contractors. Buyer shall have the right to require changes in the material or services to be furnished by the Seller hereunder if required by the US Government or any of its agencies, contractors or sub-contractors in which event, equitable adjustment shall be made in the amount due herein or in the time required for the performance hereof as is appropriate in the case of each such change; provided, however, that no extra work or changes shall be done or performed without written authorization from the Buyer. The contents of this paragraph shall not be construed to limit or affect in any way the operation of paragraph No. 11 below.
- 11. This Order, and upon its acceptance is a contact between. Seller and Buyer, shall be subject to cance!lation, in whole or in part, at the instance of the Buyer, without cause. Notice of such cancellation by the Buyer shall be in writing or by telegram addressed to the Seller's address appearing on the Order. In the event of such cancellation, Buyer shall be liable only for payment for goods actually shipped to Buyer prior to such cancellation, or if the contract be one for the furnishing of services to Buyer instead of the sale of goods, then only for services actually rendered prior to such cancellation. Nothing contained in this provision shall relieve the Seller of liability for defects in quality, workmanship, non-conformance with Order, or any other liability hereunder, as to goods shipped or services rendered prior to cancellation. Buyer in addition to any other right or remedy provided by this Purchase Order or by law terminate all or any part of this Purchase Order by telegraphic or other written notice to Seller without any liability by Buyer to Seller on account thereof. In the event of termination for cause Buyer may purchase supplies or services elsewhere on such terms or in such manner as Buyer may deem appropriate and Seller shall be liable to Buyer for any excess costs incurred by Buyer.
- 12. By acceptance, and in consideration of this Order, Seller guarantees that the sale or use of any or all articles or materials delivered, or services rendered, hereunder will not infringe any US or foreign patent, that Seller will, at his own expense, defend any action, suit or claim in which an infringement of patent rights is alleged with respect to the sale or use of said articles or materials or embodying such services, and Seller further agrees to indemnify Buyer and/or its customers and save Buyer and/or its customers harmless from any loss, damage or liability which may be incurred on account of infringement of patent rights with respect to the articles or materials delivered and/or services rendered.
- 13. Seller represents, warrants and agrees that all of the goods or services rendered hereunder will be manufactured or furnished by Seller in accordance with all applicable standards, provisions, stipulations, and regulations, of all Federal, State and local safety, sanitary, factory inspection, Emergency Price Control Act other laws including Walsh-Healey Act (Act of Congress of June 30, 1936 as amended). Fair Labor Standards Act (Act of Congress on June 25, 1938) and all acts relative to sabotage, espionage, aliens, secrecy and anti-discrimination. If the Buyer is required to do so by the Government authority, Seller shall, upon Buyer's request, furnish certificates of compliance with any such laws or regulations.



State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section P.O. Box 421, Trenton, NJ 08625-0421

ease type or print in block letters. (Form designed	for use on elite (12-pi	itch) typewriter.),		Form Approved	l. CMB No. 2	050-0009,
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EP	A ID No.	Manitest Document No	2. Page 1	Informatio	on in the sname in the quired by Federal 3
3. Generator's Name and Mailing Accress Electro-Miniatures Corp.			<u> لل الناحة الأساد النا</u>	A. State Ma	nifest Documen	Numper
68 West Commercial Ave. 4. Moonachie, New Jersey 07 4. Generators Phone (201 460-0	274			B. State Ge	nerator's ID-(Ge	n. Site Acaress
5. Transporter 1 Company Name		US EPA ID	Number	C. State Tra	ns. ID-NJDEP	
7. Transporter 2 Company Name	1 COET. N 8.	US EPA ID	Number	D. Transport	Decal No er's Phone ()
Designated Facility Name and Site Address	10.	US EPA ID	Numper	E. State Tra	ns. ID-NJCEP	
Perma-Fix of Dayton, Inc.			,	F. Transport	Decar Lizie er's Phone (- CXA &C
300 South West End Ave. Dayton, Ohio 45427	1.1	ا برام أم أم أحليا		G. State Fac		
US DOT Description (Including Proper Shippin HM	ng Name, Hazard Class	or Division.	12. Col	H. Facility's	Total	268-6501
RQ Waste Paint Relate	ed Marerial		No.	Type (Quantity W	rVol Wacis io.
X 3 UN1263 PGII			XX	DFXX	(6000)	b lo a
Waste Methanol			, , ,			
X 3 UN1230 PGII			XX:\	DMXIX	106X	
Waste Trichlorethylen	le:					
6.1 UN1710 PGIII			XXI	DMY	200	
RQ Hazardaus Waste Li 9 NA3082 PGII	.quid, N.O.S.	(Trichlore	thylene)			., , ,
J. Acditional Descriptions for Materials Listed Abov	e			K. Handling	Codes for Nas	tes Elisted Abblie
enamel/enopy paints a	c. Trichia	oroethylene			. i	
b methanol				a. 3 1	0 11 6.	<u> </u>
15. Special Handling Instructions and Actional Info	rmation	loroethylen	e/water	b. s	0 1 1 8.	<u> </u>
115. Profile # C ERG#1	3143101192	rožile # SV3O9	ERG#1	71	**************************************	
16. GENERATOR'S CERTIFICATION: I bereby dec	6034512 lare that the contents of	this consignment ar		eiv described an	TOME 17 DOTTER	transfer our
regulations. If I am a large quantity generator, I cogify that	l bour a manager in al	and the state of t	· ·	ing to applicable	e international ar	id national governmer
If I am a large quantity generator, I certify that to be economically practicable and that I have se and future threat to human health and the enviand select the best waste management method.	ronment: CP .f : am a	and of treatment, a	olume and toxicity storage, or disposal rator, I have made	of waste general currently availal a good taith ea	ated to the deg ble to me which fort to minimize	ree i nave determine minimizes ma crasia miv waste galte tal,
Printed Typed Name	k	Signature		WX	7	06220°
17. Transporter 1 Acknowledgement of Receipt of M. Printd/Tipped Name	aterials	Signature				
MARIO Mons	ට		X			Morin 12
 Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name 	aterials	Signature				00000
		Signature				Month Cat. Ye
19. Discrepancy Indication Space			11/22	· (C. S. 7)	TISTON	
			, -	- ~ /	77000	
20. Facility Owner or Operator: Certification of receipt	of hazardous materials	covered by this mar	nifest except as not	ed in Item 19.		
Printed/Typed Name	χ	Signature		10	-	Month Day Ya
Form 8700-22 (Rev. 9/88) Previous editions are obsolete.	·····	SIGNATURE AN	D INFORMATION	い MUST PE!	ECIPLE OF	4 1 1 4 4 4 7
TOD MAN TO OFFICE ATOM		SIGNATURE AN	P INFORMATION	N <i>MUST</i> BE L	EGIRLE ON .	ALL COPIES

STRAIGHT BILL OF LADING - SHORT FORM - Original	Man Managarata		
STANGITE DIEL OF EADING - SHORT FORM - Original	- Not negotiable Shi	pper's No	<u> </u>
(Carrier) RADIAC RESCARCACORD SCAC Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:	Car	rier's No. W	08070
atdate	6/22/00 from	n	
the property disscribed below, in apparent good order, except as noted (contents and condition of contents of packages unkno contract as meaning any person or composition in possession of the property under the contract) agrees to carry to its usual desanation. It is mutually agreed, as to each camer of all or any of said property over all or any portion of said route to describe subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix 8 to Pa			mpany being understood throughout this er to another carrier on the route to said vice to be performed hereunder shall be
(Mail or street address of consignee for purposes of notification only.) TO: Chemical Conservation Corp. Consignee Street 10100 Rocket Blvd. Destination Orlando, Florida Zip 32824 Route:	FROM: Electro-	Miniatures Corp Commercial Ave.	Zip 07074
Delivering Carrier	Trailer Initial/	U.S. DOT Hazmat Reg. Number	
Number of O Description of articles, special marks	s, and exceptions	*Weight (subject to correction) Class (Check Charges (for carrier use only)
X 30 Non-RCRA, Non-D.O.T. (Labpack L. (contains Silicon)	01) 55012 (4	40	
Pleceved at Perma-Fix of Dayter	1 Transfer Status	n 7/14/0691	
Trunsporter #2 - Chem-Lon FLD 400	980559729 1)859-4441		
Remit C.O.D. to: Address:	COD	C. O. D. FEE:	TOTAL CHARGES:
City: State: Zip:	AMT: \$	Prepaid ☐ Collect ☐ \$	\$ FREIGHT CHARGES
"If the shipment moves between two ports by a carrier by water, the law requires that the biff of lacing shall state whether it is "carrier's or snoper's weight". Note —where the rate is dependent on value, shippers are recurred to state specifically in writing the agreed or declared value of the property. The agreed or oeclared value of the property is hereby specifically stated by the shipper to be not exceeding— S per per	Subject to Section 7 of the conditions, if this shipment is to the consignor, the consignor shall sign the following statem. The camer shall not make delivery of this shipment without (Signature of consignor)	ent;	FREIGHT PREPAID Except when CHECK BOX box at right if charges are is checked to be collect
This is to certify that the above-named materials are properly classified, detransportation according to the applicable regulations of the Department of Transportation according to the applicable regulations of the Department of Transportation.	scribed, packed, marked and asportation. Per	labeled/placarded, and a	re in proper condition for
SHIPPER: Electro-Miniatures Corp. PER: DATE: DATE: DATE: Permanent post of spie address of shipper	CARRIER: CHOIRC PER: EMERGENCY RESPONSE TELEPHONE NUMBER: Monitored at all times the Hangingus Alarer		ORP. OATE: 6/32/20
Main with an 1%" or economic Hazamous Material as centred in the Centiment of Transcription Economics governed the Isranscription of nazarrows in The use of this color as or occombination of nazarrows in The use of this color of the Centiment of the Isranscription	1990s (1994) Same	21-00 sep	10-BLS-A3 (Rev. 5/95)
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State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section P.O. Box 421, Trenton, NJ 08625-0421

ase type or print in block letters. (Form designed for use on elite (12-pitch) t	ypewriter.)		Approved			
UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator's US EPA ID I	L Docum	nent No.	of 1	is not re	quired b	shaded areas y Federal law.
Generator's Name and Mailing Address		. /		JA 301		
Electro-Miniatures Corp.		E	3. State Ge	enerator's ID-(Ge	en. Site A	Address)
63 West Commercial Ave. Moonachie, NJ 07074 4 Generalists Phone NJ 201 450-0510		1				
5 Transporter 1 Company Name 6.	US EPA ID Number	201	C. State Tr	ans. ID-NJDEP	<u>i</u>	<u> </u>
BADAC RESEARCH CORP. NYI	204911186	2976	D. T-0000	Decal No orter's Phone (110 6	112-2222
7. Transporter 2 Company Name	US EPA ID Number	-		ans. ID-NJDEP	108	0-0-0
6. Designment Facility Name and Site Accress 10.	0191810151591 US EPA 1D Number	/ m 1ª 1		Decal No		84804
Chemical Conservation Corp.		L		orter's Phone .		
10100 Paster Bird			G. State F	acility's ID	1 1 9	50_6661
	D 9 3 0 5 5 9	7 2 8 12. Conta	iners			
US DCT Description (Including Proper Shipping Name, Hazard Class or I HM ID Number and Packing Group)	Division.	No.	Туре	Total Quantity	Unit Wt Vol	Waste Vo.
a. Waste Corrosive Liquid, Acidic, Inc	rganic, N.O.S		200	NIFO	F	D007
8 UN3264 PGII (Aluminium Chroma	te)	XXX	NIA	VIDION		21010
0.		\		•		•
Waste Nittic Acid Mixtures 8 UN1796 PGII		$\sqrt{\chi}$	M)	KXXUO		0 0 0 2
			1			
Waste Flammable Liquid, N.G.S. (Al	Lcohol)	LAND	אַמּאַ מּוֹּ	NIDO	P	D001/D035
X 3 UN1993 PGII		XXX	NIN	MINTU		<u> </u>
d. Hazardous Waste Liquid, N.O.S. (Te	etrachloroethyl	lene)		ماند		
9 UN3082 PGIII	,	1xx1	DIN	(XX40	1	D; 0, 3 9
J. Additional Descriptions for Materials Listed Above			K. Han	ndling Codes for	Wastes	<u></u>
1	20			1011	c.	a la la
Aluminium Chromate Sol. LP 1 x	30 -		1 a. S	1011		
Nitric Acid Sol.			b. S	1011	d.	5 10 1
15 Special Handling Instructions and Additional Information					(\U\ G#171	: :
11 11 TRAFFISA	lld. App	智智	012	C LAN	<u> </u>	L
11b. Approval # ERG#15/	Emergen	ет Сеп	cact:			
116. Approval # ELE SOLL BERG#128 11c. Approval # ELE SOLL BERG#128 16. GENERATOR'S CERTIFICATION: I hereby deciare that the contents of the solution of the				bed above by p	roper so:	oping name indication and national reviews
regulations. If I am a large quantity generator, I certify that I have a program in p to be economically practicable and that I have selected the practicable to be economically practicable and that I have selected the practicable.	lace to reduce the volume	and toxicity e, or dispos	of waste al currently	generated to it available to me	ne pegred	ninemes the statement
to be economically practicable and that the second of the	small quantity generator.	I have mad	le a good	faith effort to m	inimize i	·
and select the best waste management mount	Signature	: 1	1. 1.			Month Day day
Printed/Typed Name	V City		101	4		06000
T 17. Transporter 1 Acknowledgement of Receipt of Materials						Month Day Year
Prince Typed Name	Signature.					063200
15						
o 18. Transporter 2 Acknowledgement of Receipt of Materials	Signature					1.13nm Day (6.3
Princed/Typed Name TANNACONE	10/10	1. 111	100	30-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	11111	CONMINTAL
Indication Specific Pricity 12.C. S		EXXY	AT 1	amork c	A) 4 /K	(CIA): 170 : 172
SERVILE. 973-770-9933 / 475.00		•		•		
Peroved of Transfer Station 7/11/	& COIDEAN					
20. Facility Owner or Operator: Certification of receipt of hazardous mater	ials covered by this manife	st except as	noted in I	tem 19.		Monin Day 186
20. Facility Owner or Operator. Certification of Second Prigled/Typed Name	Signature		0	1.1.		072100
Lance Soseph	SIGNATURE AND I	NEODIA:	TION AND	ST BE LAGIE	LE ON	
EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.	SIGNATURE AND I	INFORMA	HOME	2, 25 500,5		

Chemical Conservation Corporation

A WHOLLY OWNED SUBSIDIARY OF PERMA-FIX ENVIRONMENTAL SERVICES, INC.



10100 ROCKET BOULEVARD • ORLANDO, FLORIDA 32824 (407) 859-4441 • FAX (407) 855-2812

DISCREPANCY REPORT

GENERATOR NAME: Electro-Miniatures Corp.	DATE: 07-26-2000
	Attn:
Broker Name: Tri-S Manifest No: NJA 3066831	Contact:Date Rec'd:
Manifest Discrepancies: Units of Wt./Vol.	
Land Ban Discrepancies: 11-a: D001 inco	rrectly marked, should be High TOC ou,d be YES
UTS Form Discrepancies: Not complete: i Perchloroethylene	
Other Comments:	
Generator Authorized Signature Date	
Chemical Conservation Corporation Contact:_	R.J. Cannon
This facility	

This facility considers these discrepancies to be resolved. If you do NOT agree, please contact Chemical Conservation Corporation immediately at (407) 859-4441. We must notify the E.P.A. within 15 days of any unresolved manifest discrepancies.

ALL DISCREPANCIES IDENTIFIED WITH AN (*) MUST BE ADDRESSED WITHIN 48 HOURS. PLEASE CALL 800-345-6393 IF YOU HAVE ANY QUESTIONS.

PLEASE SHAN AND FAX THIS FORM BACK TO (407) 853-2812

C. OTHER WASTES (for codes not fisted above)

MLI Enter waste codes/subcategory, if applicable, in the table below.

Themical Conservation Corp. Chem-Met Services, Inc. Chemical Conservation of Georgia, Inc. *IVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

Sénerator Name: Electro-Miniatures Corp.

Manifest No: NJA3066831

Page: 1 of 2

List all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003# and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water reactive and other reactive only) (WW = Wastewater; NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the constituents. If using this form in association with a profile, place an X in the box next to the approriate constituent(s).

		•			in to the appropriate constituent(s).		
MLI		$\overline{\mathcal{N}}$	MMM	MLI		ΜM	NWW
	A2213	0.045			<u>_</u>	7.1.1	111114
 	Acenaphthene	0.042 0.059		- i	m-Cumenyl methylcarbamate	0.056	1.
	Acenaphthylene	0.059			Cyclohexanone	0.36	0.75
	Acetone	0.038		1-1-1-	o,p'- DDD	0.023	30.0
	Acetonitrile	5.6			p.p'- 000	0.023	90.0
	Acetophenone	0.01			o.p'- DDE	0.031	30.0
	2-Acetylaminofluorene	0.059			p.p'- DDE	0.031	90.0
	Acrolein	0.29		1111	o.p'- DDT	0.0039	30.0
	Acrylamide	19			p.p'- DOT	0.0039	30.0
	Acrylonitrile	0.24			Dibenz(a,h)anthracene	0.055	8.
	Aldicarb sulfone	0.056			Dibenz(a,e)pyrene	0.061	N/
	Aldrin	0.021			1,2-Dibromo-3-chloropropane	0.11	1 ;
	4-Aminobiphenyl	0.13		 	1,2- Dibromoethane (Ethylene dibromide) Dibromomethane	0.028	1 🛊
	Aniline	0.81		┝╫╫	m-Dichlorobenzene	0.11	1 [
	Anthracene	0.059		├ ╎╎	o- Dichlorobenzene	0.036	· ·
	Aramite	0.36		┝┼┼	p- Dichlorobenzene	830.0	37:
	Barban	0.056			Dichlorodifluoromethane	0.09	_ ‡
$\Pi\Pi$	Bendiocarb	0.056			1,1- Dichloroethane	0.23	7. §
	Bendiocarb phenol	0.056		 	1,2- Dichloroethane	0.059	٤
	Benomyi	0.056	•••		1,1- Dichloroethylene	0.21	
LITT	Benz (a) anthracene	0.059			tmas 1.2 Dichless str. I.	0.025	
	Benzal Chloride	0.055			trans-1,2- Dichloroethylene	0.054	3 }
	Benzene	0.14	-		2,4- Dichlorophenol	0.044	1
	Benzo (b) fluoranthene	0.11			2,6- Dichlorophenol	0.044	1 }
	Benzo (k) fluoranthene	0.11	6.8		2,4-Dichorophenoxyacetic acid (2,4-D)	0.72	1
	Benzo (g.h.i) perylene	0.0055		 	1,2- Dichloropropane	0.85	1
	Benzo (a) pyrene	0.061	3.4		cis-1,3-Dichloropropylene	0.036	1
	alpha-BHC	0.00014			trans-1,3-Dichloropropylene Dieldrin	0.036	1
	beta-BHC	0.00014		}-}-}-	Diethyl pinious	0.017	0.1
	delta-BHC		0.066	 	Diethylone chiest disaste	0.2	2 .
	gamma-BHC (Lindane)	0.0017		}-}-}-	Diethylene glycol, dicarbamate	0.056	1.
	Bromodichloromethane	0.35	15	 - - - -	p-Dimethylaminoazobenzene 2,4-Dimethyl phenol	0.13	N/.
	Bromomethane (Methyl bromide)	0.11	15	 	Dimethyl phthalate	0.036	1
	4-Bromophenyl phenyl ether	0.055	15	 	Dimetilan	0.047	2
	n-Butyl alcohol	5.6	2.6	 	Di-n-butýl phthalate	0.056	1.
	Butyl benzyl phthalate	0.017	28	 	1,4-Dinitrobenzene	0.057	2
	Butylate	0.042	1.4	 	4,6-Dinitro-o-cresol	0.32	2.
	2-sec-Butyl 4,6-dinitrophenol (Dinoseb)	0.066	2.5	 	2.4- Dinitrophenol	0.28	16
	Carbaryl	0.006	0.14	 	2,4-Dinitrotcluene	0.12	16
	Carbenzadim	0.056	1.4		2,6-Dinitrotoluene	0.32	14
HH	Carbofuran	0.006	0.14		Di-n-octyl phthalate	0.55 0.017	2
+++	Carbofuran phenol	0.056	1.4		Di-n-propylnitrosamine	0.017	1.
+ + + +	Carbon disulfide	3.8	4.8*		1,4-Dioxane	12	17:
	Carbon letrachloride	0.057	6		Diphenylamine	0.92	1:
-	Carbosulfan	0.028	1.4		Diphenylnitrosamine	0.92	· 1:
	Chlordane(alpha & gamma)	0.0033	0.26		1,2- Diphenylhydrazine	0.087	N//
	p-Chloroaniline	0.46	16		Disulfoton	0.007	6.:
	Chlorobenzene	0.057	6		Dithiocarbamates (total)	0.028	2: :
+++-	Chlorobenzilate	0.1	N/A		Endosulfan I	0.023	0.06
╼╂╌┼╌┤	2-Chloro-1,3-butadiene	0.057	0.28		Endosulfan II	0.029	0.1:
╼╁┼┼┼┤	Chlorodibromomethane Chloroethane	0.057	15		Endosulfan sulfate	0.029	0.1:
╼┼┼┼┤		0.27	6		Endrin	0.0028	0.1:
	bis-(2-Chloroethoxy)methane	0.036	7.2		Endrin aldehyde	0.025	0.1:
	bis-(2-Chloroethyl)ether	0.033	6		EPTC	0.023	1.
	2-Chloroethyl vinyl ether	0.062	N/A		Ethyl acetate	0.34	- 3:
- - - 	Chloroform	0.046	6		Ethyl benzene	0.057	
+++1	bis-(2-Chloroisopropyl)ether	0.055	7.2		Ethyl cyanide (Propanenitrile)	0.24	20.
	p-Chloro-m-cresol	0.018	14		Ethyl ether	0.12	161 2
	Chloromethane (Methyl chloride)	0.19	30	 	Ethyl methacrylate	0.14	151 D
	2-Chloronaphthalene	0.055	5.6	 	Ethylene cxide	0.14	N/A D
+++	2-Chlorophenol	0.044	5.7	 	bis(2-Ethylhexyl) phthalate	0.12	21 0
444	3-Chloropropylene	0.036	30	 	Famphur	0.25	1: 0
+++-	Chrysene	0.059	3.4	 	Fluoranthene	0.017	اِحْ الْق
444	o-Cresol	0.11	5.6		Fluorene	0.059	3.4
		0 77	5.6		Formetanate hydrochloride	0.056	
•	•			,	*	ロビバのの	.o : 1

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

Generator Nai	me: <u>Electro-Miniatures Cor</u>	P.•	M	anifest No:	NJA3066831	Page_2_ of	2_
MLI		ww.	иww	MLI	•	ww	<u>www</u>
	Formparanate .	0.056	1.4		Physostigmine salicylate	0.056	1.4
 	Heptachlor	0.0012	0.066		Promecarb	0.056	1.4
	Heptachlor epoxide	0.016	0.066		Pronamide	0.093	1.5
	Hexachlorobenzene	0.055	10		Propham	0:056	1.4
	Hexachlorobutadiene	0.055	5.6		Propoxur	0.056 0.042	1.4 1.4
	Hexachlorocyclopentadiene	0.057	2.4		Prosulfocarb	0.042	8.2
	Hexachloroethane	0.055	30 30		Pyrene	0.014	16
	Hexachloropropylene	0.035	0.001	 	Pyridine Safrole	0.081	22
	HxCDDs(All Hexachiorodibenzo-p-dioxins)	0.000063	0.001	 	Silvex (2,4,5-TP)	0.72	7.9
	HxCDFs(All Hexachlorodibenzofurans) Indeno (1,2,3-c,d) pyrene	0.0055	3.4	 	1,2,4,5-Tetrachlorobenzene	0.055	14
	lodomethane	0.19	65	 	TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.000063	0.001
	Isobutyl alcohol	5.6	170	1111	TCDFs (All Tetrachlorodibenzofurans)	0.000063	0.001
	Isodrin	0.021	0.066	 	1.1.1.2-Tetrachloroethane	0.057	6
 	Isolan	0.056	1.4	Hill	1,1,2,2-Tetrachioroethane	0.057	6
 	Isosaírole	0.081	2.6	110	Tetrachioroethylene	0.056	6
	Kepone	0.0011	0.13	HT	2,3,4,6-Tetrachlorophenol	0.03	7.4
	Methacrylonitrile	0.24	84		Thiodicarb	0.019	1.4
	Methanol	5.6	0.75*		Thiophanate-methyl	0.056	1.4
	Methapyrilene	0.081	1.5		Tirpate	0.056	0.28 10
	Methiocarb	0.056	1.4		Toluene	0.08 0.0095	2.6
	Methomyl	0.023	0.14		Toxaphene	0.0095	1,4
	Methoxychlor	0.25	0.18	111	Triallate	0.63	15
	Methyl ethyl ketone	0.28	36	 - - - -	Tribromomethane (Bromoform)	0.055	19
	Methyl isobutyl ketone	0.14	33		1,2,4-Trichlorobenzene 1,1,1-Trichlorethane	0.054	6
	Methyl methacrylate	0.14 0.018		 	1,1,2-Trichlorethane	0.054	_
	Methyl methansulfonate	0.014		 	Trichloroethylene	0.054	6
1-1-1-1	Methyl parathion 3-Methylcholanthrene	0.0055		 	Trichloromonofluoromethane	0.02	30
1-1-1-1	4,4-Methylene bis(2-chloroaniline)	0.5		 	2,4,5-Trichlorophenol	0.18	7.4
	Methylene chloride	0.089			2,4,6-Trichlorophenol	0.035	7.4
 	Metolcarb	0.056		1111	2,4,5-Trichlorophenoxyacetic acid(2,4,5-T		
	Mexacarbate	0.056	1.4		1,2,3-Trichloropropane	0.85	30
	Molinate	0.042			1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30
	Naphthalene	0.059			Triethylamine	0.081	1.5 0.1
	2-Naphthylamine	0.52			tris-(2,3-Dibromopropyl) phosphate	0.11 0.042	-
	o-Nitroaniline	0.27			Vernolate	0.042	
	p-Nitroaniline	0.028			Vinyl chloride	0.32	
	Nitrobenzene	0.068 0.32			Xyiene(s)	1.2	
	5-Nitro-o-toluidine	0.028		 	Cyanides (Total) Cyanides (Amenable)	0.86	
 - - - -	o-Nitrophenol p-Nitrophenol	0.023		 	Fluoride**	35	
 	N-Nitrosodiethylamine	0.4		 - - - -	Sulfide	14	N/A
 - - -	N-Nitrosodimethylamine	0.4		 	Antimony	1.9	1.15*
	N-Nitroso-di-n-butylamine	0.4			Arsenic	1.4	
 	N-Nitrosomethylethylamine	0.4	2.3		Barium	1.2	
	N-Nitrosomorpholine	0.4			Beryllium	0.82	
	N-Nitrosopiperidine	0.013			Cadmium	0.69	
	N-Nitrosopyrrolidine	0.013		H	Chromium (Total)	2.77 0.69	
	Oxamyl	0.056			Lead Standard (To Botad)	U.09 A\A	
	Parathion	0.014			Mercury (Nonwastewater from Retort)	0.15	
	Total PCBs	0.1		1111	Mercury (All others)	3.98	
1-1-1-	Pebulate	0.042 0.055		1-1-1-1	Nickel Selenium	0.82	
	Pentachlorobenzene RoCDDs (All Bostochlorodibanzo a diaxins)	0.00063		 	Silver	0.43	
	PeCDDs (All Pentachlorodibenzo-p-dioxins) PeCDFs(All Pentachlorodibenzofurans)	0.00003		 	Thallium	1.4	
 	Pentachloroethane	0.055		- - - 	Vanadium**	4.3	1.6°
	Pentachloronitrobenzene	0.05			Zinc	2.61	4.3*
 	Pentachlorophenol	0.089				•	
	Phenacetin	0.08		* T		UHC in characertistic	
	Phenanthrene	0.05		Do the w	aste stream(s) identified on the manifest liste	ed above or on the at	
 	Phenol	0.039		profile co	ntain any of the constituents listed on this tai	ble in concentrations	-
 	o-Phenylenediamine	0.056			e regulatory levels?		
	Phorate	0.02					
	Phthalic acid	0.05			YES A	NO .	
	Phthalic anhydride	0.05	5 28	4	of will levice Date:	7-170120	
	Physostigmine	0.056	5 1.4	Signatur	e__\Date:	10/32/06	
<u></u>	. · ·			-		, ,	



WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NO	T WRITE IN	THIS SPACE

ļ	Failure to file may subject you to
	and/or civil penalties under
	Sections 324.11151 or 324.12116 MC

Required under authority of Fall 121 of Act 451, 1994, as amended.

DO	NOT WRITE I	N THIS SPAC	E	criminal and/or civil penalties under Sections 324.11151 or 324.12116 M
		REJ. 🗆		0050 0039

	int or typ	ne .		<u> </u>		nifest	2. Page	Approved. OMB	on in th	shaded areas
	UN	IFORM HAZARDOUS WASTE MANIFEST	1. Generator's NJD06929	s US EPA ID No. 98602	Dec 8	regt No.	of	is not law. e Manifest Docu	require	d by redere
3.	Cara	stor's Name and Mailing Address	 ;				A. State	700	52	29
٠.	Elec	tro-Miniatures Corp.	•			}		e Generator's ID		<u></u>
	Maar	West Commercial Ave. nachie, NJ 09 074				Ì				
4	Cono	rator's Phone (201) 460	0-0510	6. US EPA I) Number			e Transporter's		YHXV
5.	Trans	conter 1 Company Name		INYDOY	31780	476		nsporter's Phone		1963-223
Ŀ	-MD	SPORTER 2 Company Name	LOFI		D Number			te Transporter's		
7.	ITans	sporter 2 company resure	**	4.				nsporter's Phon te Facility's ID	e .	·
9.	Desig	gnated Facility Name and Site Add	iress	10. US EPA	D Number		G. Sia	te racinty one		
í		m-Met Services 50 Allen Road					H. Fac	ility's Phone	• :-	
	Rro	wnstown, MI 48192		MID09696319	94			34-282-925		1.10/2222
_		OOT Description (including Proper	Shinning Name.			12. Conta	ainers	13. Total	14. Unit	I. Waste No.
11		DOT Description (including Proper iD NUI	MBER).			No.	Type	Quantity	Wt/Voi	
a.	<u>нм</u> .Т	Non-RCRA, Non-D.O.	Т.					1/00	0	ند
	1	None Non				0	124	400	/	Mpme
L	89	None								
b.	\cdot				مج			i		
										
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1		. Nicket Sulfate Sol								
		en de la Maria de la Caracteria de la Cara La Maria de la Caracteria					••			c d
		The disa potructions and A	dditional Informat	ion						c d
	15. Sp	in the ding Instructions and A	dditional Informat	ion						d d
	11	pecial Handling Instructions and A	10701	_	ency Co	ontact:				d d
	11.	pecial Handling Instructions and Ala. Approval # ELE 6	declare that the conte	Emerg	re fully and a	accurately do	lescribed oplicable	above by proper s	hipping (d d name and are clas
	11.	ecial Handling Instructions and A a. Approval # ELE 6	declare that the conte	Emerg	re fully and a	accurately do ording to ap ne and toxic	lescribed plicable city of w			
	11. 16. GE pa	ecial Handling Instructions and A. a. Approval # ELE 6 ENERATOR'S CERTIFICATION: I hereby loked, marked, and labeled, and are in a I am a large quantity generator, I center of the economically practicable and tha	declare that the control Il respects in proper c	Emergents of this consignment a condition for transport by rogram in place to reduce practicable method of	re fully and a highway acco te the volum treatment,	accurately do ording to ap ne and toxion storage, or generator,	lescribed plicable city of w			
	11. 16. GE pa	pecial Handling Instructions and Ala. Approval # ELE 6	declare that the control Il respects in proper c	Emergents of this consignment a condition for transport by rogram in place to reduce the practicable method of ment; OR; if I am a sreat is available to me and	re fully and a highway acci- ce the volum treatment, nall quantity that I can af	accurately do ording to ap ne and toxion storage, or generator,	lescribed plicable city of w			to minimize my
	11. GE pa	ENERATOR'S CERTIFICATION: I hereby loked, marked, and labeled, and are in a large quantity generator, I cer be economically practicable and that resent and future threat to human he eneration and select the best waste ma	declare that the control of the selected that I have a pit I have selected thath and the environagement method the	Emergents of this consignment a condition for transport by rogram in place to reduce practicable method of	re fully and a highway acci- ce the volum treatment, nall quantity that I can af	accurately do ording to ap ne and toxion storage, or generator,	lescribed plicable city of w			to minimize my
	16. GE part to pr ge	ENERATOR'S CERTIFICATION: I hereby loked, marked, and labeled, and are in a lam a large quantity generator, I cer be economically practicable and tha resent and future threat to human he eneration and select the best waste matrinted/Typed Name	declare that the conte ill respects in proper or tify that I have a pit t I have selected the alth and the environ nagement method the	Emergents of this consignment a condition for transport by rogram in place to reduce practicable method of nment; OR; if I am a sreat is available to me and Signatur	re fully and a highway acci- ce the volum treatment, nall quantity that I can af	accurately do ording to ap ne and toxion storage, or generator,	lescribed plicable city of w			Date Month Day Date
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052572 Cert. #:

Phone: 734-282-9250 EPA # MID096963194

CERTIFICATE OF DISPOSAL

MI7665829 This certifies that the waste(s) specified on MANIFEST NUMBER :

NJD@692986@2 FOR GENERATOR: ELECTRO-MINIATURES CORPORATION AND TRANSPORTER: NYDØ49178296

Radiac Environmental Services.

68 WEST COMMERCIAL AVENUE 07024 MOONACKIE, NJ

has been properly disposed of under the authority of all required and applicable permits and licenses, to my best knowledge and belief based on my inquiry of individuals immediately responsible for the

The waste identified above has been handled in compliance with one or more of the waste disposal. applicable performance standards specified in 40 CFR, part 268, subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004 (d).

Signature:

07-05-2000 Date:

WHOLLY OWNED SUBSIDIARY OF PERMA-FIX ENVIRONMENTAL SERVICES, INC.



State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section P.O. Box 421, Trenton, NJ 08625-0421



OMB No. 2050-0039. ease type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. Generator's US EPA ID No. Manifest Document No. 2. Page 1 Information in the shaded areas UNIFORM HAZARDOUS is not required by Federal law. WASTE MANIFEST 3 3 3 3 6 9 2 9 8 6 0 6 6 8 3 1 A. State Manifest Document Number 3. Generator's Name and Mailing Address 306683 Electro-Miniatures Corp. B. State Generator's ID-(Gen. Site Address) 68 West Commercial Ave. Moonachie, KJ 07074
Generator's Phone (201 460-0510 C. State Trans. ID-NJDEP Transporter 1 Company Name Decal No. RESEAR D. Transporter's Phone (US EPA ID Number Transporter 2 Company Name E. State Trans. ID-NJDEP Designated Facility Name and Site Address
Chemical Conservation Corp. Decal No. 10. US EPA ID Number F. Transporter's Phone (10100 Rocket Blvd. G. State Facility's ID Orlando, Florida 32824 859-4441 | P | L | D | 9 | 8 | 0 | 5 | 5 | 9 | 7 | 2 | 8 | H. Facility's Phone (407 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, Unit Total Waste No. ID Number and Packing Group) Quantity No. a. Waste Corrosive Liquid. Acidic, Inorganic, N.O.S **D007** (Aluminium Chrom(te) UN3264 PGII 10101 b. Waste Nittic Acid Mixtures 0,0 UN1796 PGII Waste Flammable Liquid, N.O.S. (Alcohol) D001/D035 UN1993 PGII Bazardous Waste Liquid, N.O.S. (Tetrachlorouthylane) Handling Codes for Wastes Listed Above J. Additional Descriptions for Materials Listed Above LP 1 x 30 Aluminium Chromate Sol. 01 1 8 | 0 | 1 LP 1 x 15 Nicric Acid Sol. S | 9 | I 15. Special Handling Instructions and Additional Information 11d. Approval # ERG#171 Ila. approval \$5104504 EXG#154 lib. Appooval # Emergency Contact: 11c. Approval# ELE SHILE ERG#128 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment: OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Year Signature Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Year Signatu 18. Transporter 2 Acknowledgement of Receipt of Materials Month Jay Yea Signature Printed/Typed Name 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Month Day Signature Printed/Typed Name



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE MOONACHIE, NEW JERSEY 07074

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STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE REGULATION PROGRAM
MANIFEST SECTION
P.O. BOX 421
TRENTON, NJ 08625-0421



WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

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DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Form Approved. OMB No. 2050-0039 Information in the shaded areas is not required by Federal 2. Page 1 1. Generator's US EPA ID No. Manifest UNIFORM HAZARDOUS Decument No. NJD069298602 WASTE MANIFEST A. State Manifest Document Number Generator's Name and Mailing Address Electro-Miniatures Corp. м 766582 68 West Commercial Ave. Moonachie, NJ 07074 B. State Generator's ID gia Januaranna (d. 1916). Generator's Phone (201) 460-0510 C. State Transporter's ID US EPA ID Number Transporter 1 Company Name 049 D. Transporter's Phone ADIAC <u>RESEARCH</u> COX E. State Transporter's ID Transporter 2 Company Name F. Transporter's Phone G. State Facility's ID --US EPA ID Number 10. . . 9. Designated Facility Name and Site Address 医咽部 建邻氯基 交合 人名亚纳夫 Chem-Met Services 18550 Allen Road H. Facility's Phone Brownstown, MI 48192 734–282–9250 | MID096963194 13. I. Waste 12. Containers 11. US DOT Description (including Proper Shipping Name, Hazard Class, and Total Unit No. 411-4 ; ID NUMBER). Type Quantity Wt/Vol Non-RCRA, Non-D.O.T. None None b. ENER c. o R d. · Himbor / Pr K. Handling Codes J. Additional Descriptions for Materials Listed Above lla. Nickel Sulfate Solution Wissylves - Revenue MARKAGE CARREST HATE Company of the substitute of t 15. Special Handling Instructions and Additional Information 11a. Approval # ELE60201 Emergency Contact: 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are ciassified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Day Monţh Signeture Printed/Typed Name 1010 larel W. U Date 17. Transporter 1 Acknowledgement of Receipt of Materials CENTER AT 1-800-424-8802 24 HOURS PER TRANSPORTER Day Year Month Printer Typed Name 2016 (HRIO HLONGO Date 18. Transporter 2 Acknowledgement of Receipt of Materials Day Month Signature Printed/Typed Name 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Month Day Year Signature Printed/Typed Name



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE MOONACHIE, NEW JERSEY 07074



WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. Box 30038
Lansing, MI 48909-7538



State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section P.O. Box 421, Trenton, NJ 08625-0421



se type or print in block letters. (Form designed for use of	on elite (12-pitch) typewriter.)	Form Ap	proved. OMB No. 205	i0-v039
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UNIFORM HAZARDOUS WASTE MANIFEST			• 1	uired by Federal law.
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Electro-Kiniatures Corp.			NJA 306	0000
63 West Commercial Ave.		B. S	tate Generator's ID-(Gen	. Site Address)
4. General Chiofe New Jersey 07074				
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FADIA (ZESEAR (+) (C	EP. NNDAU9111	X2914	Decal No	-1-1-1-1-1-1-7
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Perma-Fix of Dayton, Inc.		G. 9	State Facility's ID	
300 South West End Ave.	1 1-1-1-1-1-1-1-	1.10101 H.F	acility's Phone (car	1 350 6501
Dayton, Ohio 45427	Learner Class or Division	2. Container		14. 100-9301 Juit 1
11. US DOT Description (Including Proper Shipping Name ID Number and Packing Group)	e. Hazaro Class of Division,	No. Ty	1	t/Vol Waste No.
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	<u>_:</u>		K. Handling Codes for W	astes Listed Above
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16. GENERATOR'S CERTIFICATION: I hereby declare to classified, packed, maked, and labeled, and are in all	hat the contents of this consignment are	fully and accurately by highway according	described above by prob to applicable internations	ar and national government
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68 WEST COMMERCIAL AVENUE MOONACHIE, NEW JERSEY 07074



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE REGULATION PROGRAM
MANIFEST SECTION
P.O. BOX 421
TRENTON, NJ 08625-0421

	Name I Dill of Laring not a conv			
THIS MEMORANDUM is an acknowledgement that a bill of tading has been issued and is not the C or duplicate, covering the property named herein, and is intended solely for	original Bill of Larring, not a copy filling or record.	hipper's No		
PANIAL RESEARCHCORP. SCAC.	· C	arrier's No.	VYPL	28070
Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:	6/22/00 5	om		
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual plac contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual plac dentination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said routs to destination and the conditions only prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part to subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part to), marked, consigned, and destined as indi-	cated below, which said company on road or its own water line, oth	y (the word compar erwise to deliver to that every service this assigns.	ny being understood throughout this another carrier on the mute to said to be performed hereunder shall be
TO: Ferma-Fix of Dayton, Inc. Consignee 300 South West End Ave. Street Dayton, Ohio Zip Destination To: Street Dayton, Ohio Zip	FROM: Ejectr Shipper 68 Wes	o-Miniatures t Commercial hie, New Jer	Corp.	07074
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This is to certify that the above-named materials are properly classified, de transportation according to the applicable regulations of the Department of Tra	escribed, packed, marked Insportation. Per	and labeled/placar	ded, and a	re in proper condition for
SHIPPER: Electro-Miniatures Corp.	_ CARRIER - 13 (CAR	RESEARC	<i>// (GE</i> r	DATE: 6/21/10
PER: DATE:	PER: / C		17REC 424-	9300
() 2 U) Q	TELEPHONE NUMBE Monitored at all times the Hazarde	nus Material is in transportation	including storage	e Incidental to transportation (§172.604) 10-BLS-A3 (Rev. 5/95
Permanani Dost ollica address di shipper				10 525 110 11.01.010

Permanent post office address of shipper

Mark with an "X" to design in Hazardeux Materials a defined in the Depositions of Transportation Regulations growing the later proteins of Instance and State of this column is an extension and for Ment bying netarations makes on hitting one Section 172, 2014(a) (198) of 188 and Federal Transportation and the Column is an extension and for Ment bying netarations makes in Section 172, 2014(a) (198) of 188 and Federal Transportation Associated the Section 172, 2014(a) of the Section 182 and the Section

THIS MEMORANDUM is an acknowledgement that a bifl of lading has been issued an or duplicate, covering the property named herein, and is intend	led solely for filing or record.	ipper's No	
(Carrier) RADIAC RESEARCH (TR) S Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:	SCAC Ca	rrier's No	108070
l at	late 6/22/00 fro	m	
the property described below, in apparent good order, except as noted (contents and condition of contents of packa contract as meaning any person or corporation in possession of the property under the contract) grees to carry to destination. It is mutually agreed, as to each carrier of all or eny of said property over all or any portion of said rout subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Append	e to destination, and as to each party at any time interested fix B to Part 1035) which are hereby agreed to by the shippe	in all or any of said property that every sen	mpany being understood throughout this er to another carrier on the route to said wice to be performed hereunder shall be
(Mail or street address of consignee for purposes of notification only TO: Chemical Conservation Corp. Consignee 10100 Rocket Blvd. Street Orlando, Florida Zip 32824	FROM: Electro-	Miniatures Corp. Commercial Ave.	Zip 07074
Route:			
Delivering Carrier	Trailer initial/	U.S. DOT Hazmat Reg. Humber	
Number of O Description of articles, special r		*Weight Class ((subject to correction) rate	or Check Charges (for carrier use only)
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"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper Note", where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property to hereby specifically stated by the appear to be not exceeding— \$ per	the consignor, the consignor shall sign the following sti The carrier shall not make delivery of this shipment wit (Signature of consignor)	tement: out payment of freight and all other lawful charges.	box at right is checked it o be collect
This is to certify that the above-named materials are properly classifitransportation according to the applicable regulations of the Department	ied, described, packed, marked an of Transportation. Per	d labeled/placarded, and	are in proper condition for
SHIPPER: Electro-Miniatures, Corp. PER: DATE: 6/2/	CARRIER: ADIAC	ELBETTECH (ORR DATE: 6/32/00
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WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE

ATT. DIS. REJ. PR. Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.1211a.MC.

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

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		UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator	s US EPA ID No. 93602	Man Docum 658	ifest egt No. 29.	2. Pa of			he shaded areas ed by Federal
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		Electro-Miniatures Corp. 68 West Commercial Ave.				1	M		<u>658</u>	<u> 29 </u>
		Moonachie, NJ 03074					B. Sta	ate Generator's	ĬD	
		Generator's Phone (201) 460-	0510							
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	7.	Transporter 2 Company Name		8. US EPA	1D Number			te Transporter		
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ALL SPILLS MUST BE HEPURTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF **ENVIRONMENTAL QUALITY**

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REJ. 🗌 PR.□ Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

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State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section P.O. Box 421, Trenton, NJ 08625-0421

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State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section P.O. Box 421, Trenton, NJ 08625-0421

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and sele	ct the best waste management metho	od that is availad	he to the and .	ilat i carr arrore.					lerr 2.5
Printed/	Typed Name		; 5	lignature				n	2.111
[4]		<u></u>				·			C901
T 17. Transpo	rter 1 Acknowledgement of Receipt o	f Materiais							taran i -
	Typed Name		3	Signature	< /			۷ -ر	lorm ⊆a. V N N⊄
N N	THICK MIN	60		171	ΔY				\$ 3 3 6
0 18. Transpo	orter 2 Acknowledgement of Receipt of	of Materials		7 - 7					
! R :	Typed Name		1 5	Signature	**			Α	tends C.
E I	••								1111
	ancy Indication Space							_	
13. Discisp	andy moroation epado						•		
F									
C		~							
1 00 5 5	Owner or Operator: Certification of re	coint of bazardo	us materials co	overed by this m	anifesi except as	noted in It	em 19.		
		July: A Hazaruu		Signature					denth Call
Printed	Typed Name		,				:	į	1 1 1 1
1 1			• 1						

	Chemica	Conservation Corp. Cheffill Servation Corp. SUBPART CC AND LAND DISPO	SAL RESTRICTION NOT	TIFICATION FORM	
	Flect	ro-Miniatures Corp.	Manifest NoNJA	3066830	Page of
enerator Nan	···			non-wastewater stream.	
	NOTE: BOY	stewater stream. (ES CORRESPOND TO MANIFEST LINE ITEM	a b c d		
		1-1-10	CFR 268 Suppart D.		THE CONCENTRATION LEVE
he waste(s) des	SUBPARTO	, does not meet the applicable treatment standards in 40 C: INDICATE WHETHER WASTES ON THE MANIFEST A	RE REGULATED UNDER SUBPA	ARTICS FOR CONTAINING VOUS "FOR "NO" AS APPROPRIATE.	, IN CONCENTRATION LEVE
	•	C: INDICATE WHETHER WASTES ON THE MANIFEST A EQUAL TO OR GREATER THAN 500 PPMW BY ENTE	Innar I for the		
CHARACTERI	STIC WASTE		B. LISTED WASTE CODE	SUBCATEGORY/CONSTI	TUENTS
M L I	CODE	SUBCATEGORY/CONSTITUENTS	FO01	Spent Halogenated Solve	nts
	D001	Ignitable Wastes (TOC>10%)	F002	Spent Halogenated Solve	nts
4 BI	D001*	Ignitable Wastes (TOC<10%)	F003	Spent Non-Halogenated S	
	D002°	Corrosive Wastes Reactive Sulfides based on 261_23(a)(5)	F004	Spent Non-Halogenated S	Solvents
	D003	Explosives based on 261.23(a) (6).(7).(8)	F005	Spent Non-Halogenated S	Solvents
	D003.	Unexploded ordinance/explosive			TO IDENTIFIED ABOVE
	D003.	Other Reactive based on 261.23(a)(1)		NSTITUENTS FOR LISTED WAST	E2 IDENTIFIEDABOVE
 -	D003	Water Reactive based on 261.23(a) (2).(3).(4)	(F001-F005):		
- - - -	D003	Reactive Cyanides based on 261.23(a) (5)		Andona	
	D004*	Arsenic	 	Acetone Benzene	
	D005°	Barium	1-1-1-1	n-Butyl alcohol	
+++	D006*	Cadmium	 	Carbon disulfide	
111	D006*	Cadmium Containing Batteries		Carbon tetrachloride	
-	D007°	Chromium	 	Chlorobenzene	•
	D008°	Lead		o-Cresol	
	D008.	Lead Acid Batteries	 	m-Cresol	
	D009.	High Mercury-Organic	 	p-Cresol	
	D009°	High Mercury-Inorganic	 	Cresol	
	D009*	Low Mercury		Cyclohexanone	
	D009*	Mercury Wastewater		o-Dichlorobenzene	
	D010°	Selenium		Ethyl acetate	
┝╌┼╌┼╌┼╌	D011°	Silver Endrin		Ethyl benzene	
 	D012*	Lindane		Ethyl ether	
╏╸╏╸╏╸╏	D013*	Methoxychlor		Isobutyl alcohol	
 	D015*	Toxaphene		Methanol	
├─┼─ ┼─	D015	2,4-D		Methylene chloride	
 	D017	2.4.5-TP (Silvex)	<u> </u>	Methyl ethyl ketone	
 	D018*	Benzene	1-1-1-1	Methyl isobutyl ketone	
 	D019*	Carbon Tetrachloride		Nitrobenzene	
 	D020*	Chlordane	 	Pyridine Tetrachloroethylene	
	D021*	Chlorobenzene	1-1-1-1	Toluene	
	D022°	Chloroform	 	1,1,1-Trichloroethane	
	D023°	o-Cresol	 	1,1,2-Trichloroethane	
	D024*	m-Cresol	 	1,1,2-Trichloro-1,2,2-tri	ifluoroethane
	D025*	p-Cresol	1-1-1-1	Trichloroethylene	
	D026*	Cresol (lotal)	1-1-1-1	Trichioromonoliuorome	thane
	D027*	p-Dichlorobenzene	} 	Xylenes	
	D028*	1,2-Dichloroethane	 	2-Nitropropane	
	D029*	1,1-Dichloroethylene		2-Ethoxyethanol	
	D030°	2,4-Dinitrotoluene			
	D031*	Heptachlor	P	206 Electroplating WWT st	nqðe .
1-1-1-	D032*	Hexachlorobenzene Hexachlorobutadiene	F	035 Wood preserving wast	lewater
 	D033°	Hexachloroethane	FI F	037 Petroleum refinery pri	mary oil/water separation slud
} - - -	D034*	Methyl ethyl ketone	F		condary oil/water separation s
	D035*	Nitrobenzene	F	039 Multi-source Leachate	
	D036*	Pentachlorophenol		048 Dissolved air flotation	
 	D037	Pyridine	<u> </u>	O49 Slop oil emulsion solid	ds
 	D039.	Tetrachloroethylene			the desire Hererdous Con
2		Trichloroethylene	Does the waste ident	ified by an asterisk (*) contain an	y underlying mazardous con
1 1 1	D041*	2,4,5-Trichlorophenol	per 268.7(a)(1)?	YES	
 	D042	2,4,6-Trichlorophenol	 	02	
1 1 1 1	D043*	Vinyl chloride	<u> </u>	<u></u>	
		•	If YES, *attach a con	pleted UTS/UHC form to this do	cument
C. OTHER W	ASTES (for co	odes not listed above)			
MLI	Enter	waste codes/subcategory, if applicable, in the table b	elow.		
				·	
					

٠,		rgia, inc.
	Chemical Conservation Corp. Chem-Met Services, Inc. Chemical Conservation of Cost UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UNIVERSAL TREATMENT STANDARDS(UTS)/UNIVERSAL TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STANDARD TREATMENT STA	
	UNIVERSAL TREATMENT STANDARDS (5.1)	Page: 1 of 2

ONIATIONE ATTAC	 _
Design Name: Electro-minuting	(37°.
Generator Name:	_ ·

Manifest No:

List all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003# and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water concernations above the stated levels. The regulatory levels are in total concernations, unless notes with all estends. (# Explosive, Male) reactive and other reactive only) (WW = Wastewater, NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the reactive and other reactive only) (xxxx - xxastemate), (xxxx - non-xxastewater), insert the mannest time identified (with constituents). If using this form in association with a profile, place an X in the box next to the approriate constituent(s).

ML1	reactive and other reactive only) (WY constituents. If using this form in association with a proconstituents.	ofile, place	an X	in the L	JOX HEXT TO	110 off.	ww	NWM
Azaria	COURTINE IL CONTRA		ww	M	111			
Az213	MLI	<u></u>	7			Cumenyl methylcarbamate		
Acensphylene					 	avclohexanone		
Acaton	AZZ13	0.059		_	1111 5	a'- DDD		
Acetonie	Acenaphirere	-		<u> </u>		n's DDD		
Acetonitrile				L	1111 5	Note DDF		
Accelonement		-		<u> </u>	1111 %	So-DDE		
Acceloration 19 23	Acetoniume					n'- DDT		
Acytemide	Acetophenone				1111;	n'- DDT		
Acylenide	2-Acetylaminondorens				╎┤┤┤ ┆	Dibenz(a h)anthracene	-	
Acytociteile	Acrolein					Dibenz(a e)pyrene		
Auflicarb sulfone	Acrylamide					- a nibrama 3-chioropropane		
Addin	Actyloniume	0.056			4-1-1-1	1.2- Dibromoethane (Ethylene dibromide)		
Anthrischery					4-1-1-1	Dibromomethane		_
Aralline 0.059 3.4	Alann			<u> </u>	444	m-Dichlorobenzene		
Anthracene 0.05 N/A problem					444	ni-Dichlorobenzene		_
Aramile				-	444	n. Dichlorobenzene		· ·
Barba				L .		Dichlorodifluoromethane		_
Bendicarb phenol 0.056 1.4 1.1 1.2 Dichtoroethylane 0.025 6 0.054 1.4 1.1					444	4.4 Dichloroethane		
Bendingsarphenol 0.055 3.4 1.1 Dichloroethylene 0.054 3.4 1.5 Dichloroethylene 0.054 3.4 1.5 Dichloroethylene 0.054 3.4 1.5 Dichloroethylene 0.044 1.4 1.5 Dichloroethylene 0.055 1.5 Dichloroethylene 0.056 1.5 Dichloroethylene 0.057 1.5 D						1. 2- Dichloroethane		· _
Beancy	Rendiocaro					1. Dichloroethylene		
Benza Chioride		0.056				1,1- Dichloroethylene	-	
Benza Chloride	Benomy	0.059				n 4 Dichlorophenol		•
Benzene	Benz (a) anunacene	0.055				a c Dishlorophenol		
Benzo (k) fluoranthene		0.14				2.4 Dichorophenoxyacetic acid (2,4-D)		_
Benzo (gh) previous 0.0055 1.8	Benzene	0.1				4.2 Dichloropropage		
Benzo (a) pyrene	Benzo (b) fluorantiene	0.1				1.2- Dichloropropylene		
Senzo (a) pyrene	Benzo (K) Mudianthene	0.005				trans-1 3-Dichloropropylene		
September Colore	Benzo (g,n,i) peryienc				1-1-1-			•••
Deta-BHC	Benzo (a) pyrene	0.0001	4 0.0	66		Diethyl ohthalate	_	· -
delta-BHC (Lindane) 0.051 0.055 2.4 Dimethylaminoazobenzene 0.036 1.5 2.4 Dimethylaminoazobenzene 0.036 1.5 2.4 Dimethylaminoazobenzene 0.047 2.5 2.4 Dimethylaminoazobenzene 0.055 1.5 2.4 Dimethylaminoazobenzene 0.056 1.5 2.4 Dimethylaminoazobenzene 0.28 1.5 2.5 2.4 Dimethylaminoazobenzene 0.28 1.5 2.5 2.5 2.4 Dimethylaminoazobenzene 0.28 1.5 2.5	alpha-bhc	0.0001	4 0.0	66	1-1-1-	Diethylene glycol, dicarbamate		
Samma-BHC (Lindane)	Deta-BHC	0.02	23 0.0	166	1-1-1-	n Dimethylaminoazobenzene		
Bromodichloromethane	deliz-brio				1-1-1-	2 4 Dimethyl phenol		_
Bromomethane (Methyl bromide) 0.11 1.5 1	gamma-Bric (Endans)				1-1-1-	Dimethyl phthalate		71
Ascromophenyl phenyl ether 5.5 2.6	Bromodic lioronicality bromide)				1111		-	-
Description Description	A Promophenyl phenyl ether				1-1-1-	Dimension		-
Butyl benzyl phthalate	a Publisheriy promy	_			1-1-1-	1 4-Dinitrobenzene		
Butylate	Publi benzyl phthalate				1-1-1-	4 6-Dinitro-o-cresol		.20
2-sec-Bubyl 4,6-dinitrophenol (Dinoseb) 0.006 0.14 2,4-Dinitrotoluene 0.55 2,6-Dinitrotoluene 0.055 2,6-Dinitrotoluene 0.057 2,6-Dinitrotoluene 0.017 2,6-Dinitrotoluene 0.024 0,6-Dinitrotoluene 0.04 0,6-Dinitrotoluene 0.05 0,6-Dinitrotoluene					1-1-1-	2 4- Dinitrophenol		• • • • • • • • • • • • • • • • • • • •
Carbaryl	2 soc-Butyl 4 6-dinitrophenol (Dinosel	-,				2 4-Dinitrotoluene	-	
Carbenzadim	Cartand	•.•			· - - -	2 6-Dinitrotoluene		
Carbofuran 0.056 1.4 1.4 1.4 1.4 1.4 1.4 1.5 1	Carbenzadim				╽╾╂╾╂╴╁	Di-n-octyl phthalate	0.1	
Carbofuran phenol	Carpofuran					Di-n-propylnitrosamine		
Carbon disulfide	Carbofuran phenol				\ -}-}- }		·	
Carbon tetrachloride	Carbon disulfide				 	Diphenylamine		
Carbosulfan	Carpon tetrachloride				\ -\-\	Diphenylnitrosamine		
Chlordane(alpha & gamma)	Carbosulfan				┡┋	1.2- Diphenylhydrazine		
Dithiocarbamates (total)	Chlordane(alpha & gamma)					Disulfolon		
Chlorobenzene	p-Chloroaniline				 	Dithiocarbamates_(total)		
Chlorobenzilate	Chlorobenzene	U.				Endosulfan I		
2-Chloro-1,3-butadiene	Chlorobenzilate				\ 	Endosulfan II	_	_
Chlorodibromomethane	2-Chloro-1,3-butadiene				 - - -	Endosulfan sulfate		
Chloroethane D.036 7.2 Endrin aldehyde D.042 EPTC D.34 EPTC D.34 Ethyl acetate D.057 Ethyl benzene D.042 Ethyl benzene D.044 D.055 7.2 Ethyl cyanide (Propanenitrile) D.12 Ethyl ether D.14 Ethyl ether D.15 D	Chlorodibromomethane				- - - - - - - - - - 	Endrin		
bis-(2-Chloroethoxy)methane 0.033 6 EPTC 0.34	Chloroethane				 	Endrin aldehyde		
bis-(2-Chloroethyl)ether	bis-(2-Chloroethoxy)methane				1-1-1-	T EPTC	•	
2-Chloroethyl vinyl ether	his-(2-Chloroethyl)ether					Ethyl acetate	(
Chloroform D.055 7.2 Ethyl cyanide (Propanenitrile) 0.12	2-Chloroethyl vinyl ether				 - - -	Ethyl benzene		
bis-(2-Chloroisopropyl)ether 0.018 14 Ethyl ether 0.14	Chloroform					Ethyl cyanide (Propanenitrile)		
p-Chloro-m-cresol Chloromethane (Methyl chloride) 2-Chloronaphthalene 2-Chlorophenol 3-Chloropropylene Chrysene O-Cresol D.19 30 D.19 30 D.19 Ethyl methacrylate D.028 D.028 D.017 Ethylene oxide D.028 D.017 Ethylene oxide D.028 D.017 Famphur Fluoranthene D.059 D.059 D.059 D.059 D.059 D.056 D.059 D.056 D.056 D.059 D.056 D.059 D.056 D.0	bis-(2-Chloroisopropyl)ether				 	Ethyl ether		
Chloromethane (Methyl chloride) 2-Chloronaphthalene 2-Chlorophenol 3-Chloropropylene Chrysene 0-Cresol Chloromethane (Methyl chloride) 0.055 5.6 0.055 5.6 0.055 5.6 0.017 Ethylene oxide 0.028 0.017 Famphur Fluoranthene 0.068 Fluoranthene Fluorene Formetanate hydrochloride 0.056 0.059 0.056	n-Chloro-m-cresol				 	Ethyl methacrylate		
2-Chloronaphthalene	Chloromethane (Methyl chlonde)				 	= thylene oxide		
2-Chlorophenol 0.036 30 Famphur 0.068 3-Chloropropylene 0.059 3.4 Fluoranthene 0.059 Chrysene 0.11 5.6 Fluorene Formetanate hydrochloride 0.056	2-Chloronaphthalene				 	bis(2-Ethylhexyl) phthalate		
3-Chloropropylene 0.059 3.4 Fluoranthene 0.059 Chrysene 0.11 5.6 Fluorene Fluorene 0.056 O-Cresol 0.77 5.6 Formetanate hydrochloride	2-Chlorophenol				 - -	Famphur		
Chrysene 0.11 5.6 Fluorene 0.056 Perioda	3-Chloropropylene				 	Fluoranthene		0.059
o-Cresol 677 66 This Formetanate Hydrocalism		,			 			0.056
Liberty of the section manners and the section of t	o-Cresol				 - - 	Formetanate hydrochlorice		DC (/ddx
	Laboration of the same transmit		•	· ·				

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

	IIVERSAL TREATMENT OF	<i>(</i> :~		Mari		Page_2	of _2	-
nerator Nam	e Eketrominiators		lanifest	_		W	M P	WW.
للا		WM WWW	ML				0.056	1.4
		0.056 1.4			hysostigmine salicylate		0.056	1.4
	Formparanale	0.0012 0.066			Promecarb		0.093	1.5
1	Heptachlor	0.016 0.066		1 1 1 .	Pronamide .		0.056	1.4
	Heplachlor epoxide Hexachlorobenzene	0.055 10		1 1 1	Propham Propoxur		0.056	1.4 1.4
	Hexachlorobutadiene Hexachlorobutadiene	0.055 5.6	1-1-		Prosulfocarb		0.042	8.2
	Hexachlorocyclopentadiene	0.057 2.4			Pyrene		0.067 0.014	16
;	Hexachloroethane	0.055 30	 - -	, , _	Pyridine	•	0.014	22
	Lierachioronronylene	0.000		++-	Safrole		0.001	7.9
	U.CDDc/Ail Hexachlorodibenzo-p-gloxins)	9,000	1	++-	Silvex (2.4.5-TP)		0.055	14
}}-	HyCDEs(All Hexachlorodibenzolurans)	0.00063 0.001	}	++-	4 2 4 5 Teleschlorobenzene	0	.000063	0.001
╎┤ ┼┤	Indeno (1,2,3-c,d) pyrene	0.0033 5.4	\vdash	+++	TODG (All Tetrachlorodibenzo-p-dioxilis)	Č	.000063	0.001
} 	lodomethane	5.6 170	++	++1	TCDFs (All Tetrachlorodibenzoturans)	•	0.057	6
++++	Isobutyl alcohol	0.021 0.066	H	111	1,1,1,2-Tetrachloroethane		0.057	6
╎ ╌┼╌┼┈┥	Isodrin	0.056 1.4	_	111	1,1,2,2-Tetrachloroethane		0.056	. 6
+++1	Isolan	0.081 2.6		111	Tetrachloroethylene		0.03	7.4
++++	Isosafrole	0.0011 0.13			2.3,4,6-Tetrachlorophenol		0.019	1.4
+++	Kepone	0.24 84	·		Thiodicarb		0.056	1.4
++-	Methacrylonitrile	5.6 0.75	• 🎞		Thiophanate-methyl		0.056	0.28
++-	Methanol	0.081 1.5	5 🔲		Tirpate		0.08	10
	Methapyrilene	0.056 1.4	4 🔲		Toluene		0.0095	2.6
\top	Methiocarb	0.028 0.14	⁴ □		Toxaphene		0.042	
	Methomyl	0.25 0.18		<u> </u>	Triallate Tribromomethane (Bromoform)		0.63	_
	Methoxychlor Methyl ethyl ketone	0.28 3	_	$\bot \downarrow \downarrow$	1,2,4-Trichlorobenzene		0.055	
	Methyl isobutyl ketone	0.14 3	- L	111	1,1,1-Trichlorethane		0.054	_
111	Methyl methacrylate	0.14 16		1 	1.1.2- Trichloroethane		0.054	٠.
111	Methyl methansulfonate	0.018 N/		 	Trichloroethylene		0.054	
	Methyl parathion	0.014 4.		 	Trichloromonofluoromethane		0.02 0.18	• -
	3-Methylcholanthrene	4.44	5		2,4,5-Trichlorophenol		0.03	· _
	4.4-Methylene bis(2-chloroaniline)	•	30	 	1 a 4 s Trichlorophenol	_	0.03	
	Methylene chloride	0.000	30	 	2,4,5-Trichlorophenoxyacetic acid(2,4,5	-T)	0.73	-
	Metolicarb	•	4	- - -	1 + 2 3-Trichloropropane		0.05	•
-+++	Mexacarbate	V	.4	+++	1,1,2-Trichloro-1,2,2-trifluoroethane		2.08	
╌╎╌╎╸ ┼╸	Molinate	0.0	.6	+++	Triethylamine		0.1	_
	Naphthalene	0.000	1/A	- - - 	tris-(2.3-Dibromopropyl) phosphate		0.04	
┝┼┼┼	2-Naphthylamine	0.00	14	+++	Vernolate		0.2	
├─┼─ ┼╸	o-Nitroaniline	0.0.	28	+++	Vinyl chlonde		0.3	2
\vdash	p-Nitroaniline	•.•	14	111	Xylene(s)		1.	.2 5
\vdash	Nitrobenzene		28	111	Cyanides (Total)		0.6	
1	5-Nitro-o-toluidine	0.028	13	111	Cyanides (Amenable)		:	35 N
	o-Nitrophenol	0.12	29		Fluoride**		•	14 N
	p-Nitrophenol	0.4	28		Sulfide		1	.9 1.1
	N-Nitrosodiethylamine	0.4	2.3		Antimony			.4 5
	N-Nitrosodimethylamine	0.4	17		Arsenic			.2 21
	N-Nitroso-di-n-butylamine N-Nitrosomethylethylamine	0.4	2.3		Barium			82 1.
	N-Nitrosomethyletrylatilitie N-Nitrosomorpholine	0.4	2.3	$\Box \bot$	Beryllium			59 0. 77 0.
	N-Nitrosopiperidine	0.013	35	1-1-	Cadmium Chromium (Total)			• •
	N-Nitrosopyrolidine	0.013	35	KLL	Lead			
1-1-1-1	Oxamyl		3.28		Mercury (Nonwastewater from Retort)		J/A 0.0
1-1-1-	Parathion	0.014	4.5	1-1-	Mercury (All others)		_	.15 0.0
 	Total PC3s	0.1	10	1-1-1	Nickel			.62
1	Pebulate	0.042	1.4 10	 	Selenium			.43
 	Pentachlorobeczene	0.055	.001	1-1-1-	Silver		_	1.4
	Pecops (All Pentachlorodibenzo-p-dioxins)		.001	111	Thallium	-		4.3
 - - -	PeCDFs(All Pentachlorodibenzofurans)	0.0000	.001	1-1-1	Vanadium**		-	2.61
 	Pentachloroethane	0.055	4.8	1+++	Zinc**		4	
1-1-1-	Pentachloronitrobenzene	0.055	7.4					stic was
 	Pentachlorophenol	0.089	16		TCLP Values	Not UHC in	characeru	allache
1-1-	Phenacetin	0.081 0.059	5.6	Do the	TCLP Values waste stream(s) identified on the manifes	listed abov	e or on the	ากร
1-1-	Phenanthrene	0.039	5.0	arofile	contain any of the constituents listed on a	is table in c	Oucennem	
1-1-	Phenoi	0.039	5.6	shove	the regulatory levels?			-
1-1-	o-Phenylenediamine	0.036	4.6	20046	· · · · · · · · · · · · · · · · · · ·		NO	
1 1 1	Phorale	0.021	28	1 1	TI YES , .		140	
	Phthalic acid			<u> </u>		1 la	2/10	
	Phthalic acid Phthalic anhydride Physostigmine	0.055 0.056	28 1.4	Signa	O Nue Date	:-61A	3/10	

•	•		Chemical Conservation of Ge	eorgia, Inc.
	Chemical Conservation Corp.	Chem-Met Services, Inc. NDARDS(UTS)/UNDERLYING HAA	ZARDOUS CONSTITUENTS	(UHC) FORM
Į	JNIVERSAL TREATMENT STAP	1DARDS(015)/GREEKET	NIA3066830	Page:_1_ of _

UNIVERSAL TREATMENT STATE	Manifest No: NJA3066830
Floctro-Miniatures Corp.	Manifest No: No Ho Ho Ho Ho
Generator Name: Electro-Miniatures Corp.	D001(except for TOC> 10%), D002, D003# and D00

List all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003# and D004-D043 waste streams in List all constituents on both pages of this document that are present in Dob ((except for 1002 1076), Dob2, Dob3, and Dob4-Do43 waste steams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water reactive and other reactive only) (WW = Wastewater, NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the reactive and other reactive only) (WW = Wastewater, NWW = Non-Wastewater). reactive and other reactive only) (vvvv - vvastewater, revvvv - reon-vvastewater). Insert the mannest line identifies (method and constituents). If using this form in association with a profile, place an X in the box next to the appropriate constituent(s).

Page:_1_ of _2_

tree stated (WW = Wastewater, tive and other reactive only) (WW = Wastewater, tive and other reactive only) (www.e.wastewater, tituents. If using this form in association with a		M 1 1		· <u>ww</u>	И <u>ММ</u>
1.1	WW NWW	MLI	·	0.056	1,4
_1	0.042 1.4		m-Cumenyl methylcarbamate	0.36	0.75*
1 1 A2213	0.059 3.4	 	Cyclohexanone	0.023	0.087
Acenaphthene	0.059 3.4	! - - -	o,p'- DDD	0.023	0.087
Acenaphthylene	4.555	\ -\-\	p,p'- DDD	0.031	0.087
Acetone	. •		o,p'- DDE	0.031	0.087
Acetonitrile	•.•	┝┼┼┼	p.p'- DDE	0.0039	0.087
Acetophenone	0.01 9.7	\ -\-\-\	O.P. DDT	0.0039	0.087
2-Acetylaminofluorene	0.059 140		p.p. DDT	0.0055	8.2
1 1 2-Acetylantintolicorons	0.29 N/A	<u> </u>	Dibenz(a,h)anthracene		N/A
Acrolein	19 23	<u> </u>	Dibenz(a,e)pyrene	0.061	15
Acrylamide	0.24 84		- La Dibenno 3-chloropropane	0.11	15
Acrylonitrile	0.056 0.28	111	1,2-Dibromoethane (Ethylene dibromide)	0.028	
Aldicarb sulfone	0.021 0.066		1,2- Dibioinoetrario (2.11)		15
Aldrin	0.13 N/A		Dibromomethane	0.036	. 6
4-Aminobiphenyl	0.81 14		m-Dichlorobenzene	880.0	(
Aniline	0.059 3.4		o- Dichlorobenzene	0.09	. (
Anthracene	0.36 N/A		p- Dichlorobenzene	0.23	7.
Aramite	•.••	 	Dichlorodifluoromethane	0.059	- 1
Barban	•.••	 	1,1- Dichloroethane	0.21	
Bendiocarb	0.056 1.4		1.2- Dichloroethane	0.025	
Bendiocarb phenol	0.056 1.4		1 1- Dichloroethylene	0.023	_
	0.056 1.4		trans-1,2- Dichloroethylene		_
Benomyl Senthracene	0.059 3.4		2,4- Dichlorophenol	0.044	· .
Benz (a) anthracene	0.055		o c. Dichlorophenol	0.044	•
Benzal Chloride	0.14 10		2,4-Dichorophenoxyacetic acid (2,4-D)	0.72	-
Benzene	0.11 6.8	3	2,4-Dichoropherioxydoos	33.0	•
Benzo (b) fluoranthene	0.11 6.5	в ГТТ	1,2- Dichloropropane	0.030	6
Benzo (k) fluoranthene	0.0055 1.	в	cis-1,3-Dichloropropylene	0.03	6
Benzo (g,h,i) perylene	0.061 3.		trans-1,3-Dichloropropylene	0.01	7 0.
Benzo (a) pyrene	0.00014 0.06		Dieldrin	0.	2
alpha-BHC	0.00014 0.06		Diethyl phthalate	0.05	6
betz-BHC	0.003 0.06		Diethylene glycol, dicarbamate	0.1	
delta-BHC	0.023 0.00		p-Dimethylaminoazobenzene	0.03	
gamma-BHC (Lindane)	0.0017 0.06		2,4-Dimethyl phenol	0.04	
Bromodichloromethane	4.55	15	Dimethyl phthalate	0.0	
Bromomethane (Methyl bromide)	••••	15	Dimetilan	0.0	
4-Bromophenyl phenyl ether	•	15	Di-n-butyl phthalate	-	32
n-Butyl alcohol		6	1,4-Dinitrobenzene		
Butyl benzyl phthalate	0.011	28	4,6-Dinitro-o-cresol		20
		1.4	2,4- Dinitrophenol		, 14
Butylate Butylate	seb) 0.066	2.5	2,4-Dinitrotoluene		.32
2-sec-Butyl 4,6-dinitrophenol (Dino	0.006 0.	14	2,4-Diriuotoluerie	-	.55
Carbaryl	0.056	1.4	2,6-Dinitrotoluene)17
Carbenzadim	0.006 0	.14	Di-n-octyl phthalate		0.4
Carbofuran		1.4	Di-n-propylnitrosamine		12
Carbofuran phenol	3.8	.8*	1,4-Dioxane	. 0).92
Carbon disulfide	0.057	6	Diphenylamine	().92
Carbon tetrachloride	0.028	1.4	Diphenylnitrosamine		087
Carbosulfan		0.26	1,2- Diphenylhydrazine		.017
Chlordane(alpha & gamma)	••••	16	Disulfoton	-	.028
p-Chloroaniline	0.46	16 H	Dithiocarbamates (total)		.023
Chlorobenzene	0.057	· -	Endosulfan I		.029
Chlorobenzilate		N/A	Endosulfan II		.029
2-Chloro-1,3-butadiene	•	0.28	Endosulfan sulfate		0028
Chlorodibromomethane	0.057	15	Endrin	_	
Chlorodiulomometriano	0.27	6	Endrin aldehyde).025
Chloroethane	0.036	7.2		(0.042
bis-(2-Chloroethoxy)methane	0.033	6	EPTC		0.34
bis-(2-Chloroethyl)ether	0.062	N/A	Ethyl acetate	•	0.057
2-Chloroethyl vinyl ether	0.046	6	Ethyl benzene		0.24
Chloroform	0.055	7.2	Ethyl cyanide (Propanenitrile)		0.12
bis-(2-Chloroisopropyl)ether		14	Ethyl ether		0.14
n-Chloro-m-cresol	0.018		Ethyl methacrylate		0.12
Chloromethane (Methyl chloride	0.19	30	Ethylene oxide		0.28
2-Chloronaphthalene	0.000	5.6	bis(2-Ethylhexyl) phthalate		0.017
2-Chlorophad	0.044	5.7	Famphur		0.068
2-Chlorophenol	0.036	30	Fluoranthene		0.059
3-Chloropropylene	0.059	3.4			0.059
Chrysene	0.000		Fluorene		

	<u> </u>	SUBPART CC AND LAND DISPO	Manifest No.	Page	of
ator Name				s a non-wastewater stream.	
1 1	his is a was	tewater stream.	a b c d	S & Horringston City City	
	NOTE: BOX	ES CORRESPOND TO MANIFEST LINE ITEM	<u> </u>		
ste(s) desc	ribed above,	does not meet the applicable treatment standards in 40	OF RECULATED LINDER SUE	PART CO FOR CONTAINING VOC'S IN CONCE	ENTRATION LEVELS
TT 5	SUBPART CO	C: INDICATE WHETHER WASTES ON THE MANIFESTA EQUAL TO OR GREATER THAN 500 PPMW BY ENTI		"N" FOR "NO" AS APPROPRIATE.	
		EQUAL TO OH GREATER THAN 300 FF MIT DY ENTE	B. LISTED WASTE		
	TC WASTE	SUBCATEGORY/CONSTITUENTS		DDE SUBCATEGORY/CONSTITUENTS	
	CODE DO01	Ignitable Wastes (TOC>10%)	 	Spent Halogenated Solvents	
 	D001*	Ignitable Wastes (TOC<10%)		Spent Halogenated Solvents Spent Non-Halogenated Solvents	
	D002*	Corrosive Wastes	 	Spent Non-Halogenated Solvents Spent Non-Halogenated Solvents	
	D003	Reactive Sulfides based on 261.23(a)(5)	 	Spent Non-Halogenated Solvents	
1-1-1	D003.	Explosives based on 261.23(a) (6),(7),(8) Unexploded ordinance/explosive			
	D003	Other Reactive based on 261.23(a)(1)	CHECK REGULATED	CONSTITUENTS FOR LISTED WASTES IDENTI	FIEDABOVE
+	D003.	Water Reactive based on 261.23(a) (2).(3).(4)	(F001-F005):		
+	D003	Reactive Cyanides based on 261.23(a) (5)		A 41-4	
+	D004*	Arsenic	 	Acetone Benzene	
1	D005*	Barium	- - - - 	n-Butyl alcohol	
\top	D006.	Cadmium		Carbon disulfide	
	D006.	Cadmium Containing Batteries		Carbon tetrachloride	
1-4-1	D007°	Chromium		Chlorobenzene	
	D008	Lead Lead Acid Batteries		o-Cresol	
++-	D008.	High Mercury-Organic		m-Cresol	
- - -	D003	High Mercury-Inorganic		p-Cresol	
111	D009.	Low Mercury	 	Cresol	
++1	D009.	Mercury Wastewater	1-1-1-1	Cyclohexanone o-Dichlorobenzene	
T	D010°	Selenium	 	Ethyl acetate	
	D011°	Silver	 	Ethyl benzene	
	D012*	Endrin		Ethyl ether	
	D013*	Lindane		Isobutyl alcohol	
	D014*	Methoxychlor Toxaphene		Methanol	
- - -	D015* D016*	2,4-D		Methylene chloride	
 -	D017*	2.4,5-TP (Silvex)		Methyl ethyl ketone	
\dashv	D018*	Benzene		Methyl isobutyl ketone Nitrobenzene	
	D019*	Carbon Tetrachloride	 	Pyridine	
	D020°	Chlordane	 	Tetrachloroethylene	
1 1	D021*	Chlorobenzene		Toluene	
	D022*	Chloroform		1,1,1-Trichloroethane	
	D023*	o-Cresol m-Cresol		1,1,2-Trichloroethane	
++-	D025*	p-Cresol		1,1,2-Trichloro-1,2,2-trifluoroethau	18
	D026*	Cresol (total)		Trichloroethylene Trichloromonofluoromethane	
1	D027°	p-Dichlorobenzene	1-1-1-1	Xylenes	·
	D028*	1,2-Dichloroethane		2-Nitropropane	
	D029*	1,1-Dichloroethylene		2-Ethoxyethanol	
	D030°	2,4-Dinitrotoluene		• = = = •	
	D031°	Heptachlor Hexachlorobenzene		F006 Electroplating WWT sludge	
1 1	D033*	Hexachlorobutadiene		F035 Wood preserving wastewater	
	D033.	Hexachloroethane		F037 Petroleum refinery primary oil/wa F038 Petroleum refinery secondary oil	Mer separation slough
 	D035*	Methyl ethyl ketone	- - - - - - - - - - 		JWaler Scharamen
	D036*	Nitrobenzene		F039 Multi-source Leachate _ K048 Dissolved air flotation float	
	D037°	Pentachlorophenol		K049 Slop oil emulsion solids	
	D038*	Pyridine	<u> </u>	_	
	D039,	Tetrachloroethylene	Does the waste in	dentified by an asterisk (*) contain any Underlyi	ng Hazardous Const
! 	D040*	Trichloroethylene	per 268.7(a)(1)?		
 	_ D041*	2,4,5-Trichlorophenol 2,4,6-Trichlorophenol		YES	<u>.</u> .
1 1 1	D042*	Z,4,6- inchlorophenol Vinyl chloride		NO	
1 1 1	D043*		If YES, *attach a	completed UTS/UHC form to this document*	
OTHER WA	STES (for c	odes not fisted above)			
MLI	Enter	waste codes/subcategory, if applicable, in the table t	oelow.		
TTT	1			· · · · · · · · · · · · · · · · · · ·	

Chemical Conservation Corp. UNIVERSAL TREATMENT STANDA	Chem-Met Services, Inc.	Chemical Conservation of Ge	eorgia, ilic.
Chemical Conservation Corp.	LDDS/UTSI/UNDERLYING HAZ	ARDOUS CONSTITUENTS	/(01107 ·
UNIVERSAL TREATMENT STANDA	(KD3(010), Cita_i		1 of 2
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Generator Name: Electro-Miniatures Corp.

Manifest No: NJA3066830

Page: 1 of 2

List all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003# and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water concernsations above the stated levels. The regulatory levels are in total concernsations, unless noted with an estended. (# Explosive, water reactive and other reactive only) (WW = Wastewater; NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the reactive and other reactive only) (vvv = vvestewater, revvv = Robervestewater). In the box next to the approxiate constituent(s). constituents. If using this form in association with a profile, place an X in the box next to the approxiate constituent(s).

30000	If using this form in association with a profi		1	MLI		\overline{MM}	NWW
	<u>.</u>	VW VIVA	<u> </u>			0.056	1.
11	·	0.042 1	.4		m-Cumenyl methylcarbamate	0.36	0.75
A			.4	+++	Cyclohexanone	0.023	0.08
	- 5-15-000		3.4	+++-	o,p'- DDD	0.023	0.08
	cenaphthylene	4.5	50	++++	p.p'- DDD	0.025	0.08
	Acelone		38	+++	0.0'- DDE	0.031	0.0
	Acetonitrile	-	9.7	+++	p.p'- DDE	0.0039	0.0
	Acetophenone	•••	40		o.p'- DDT	0.0039	0.0
	2-Acetylaminofluorene	•	<u> </u>		p.p'- DDT	0.0055	1
	Acrolein	•	VA L	-}-!- -	Dibenz(a,h)anthracene		Ì
	Acrylamide	19	23		Dibenz(a.e)pyrene	0.061	•
<u> </u>	Acrylonitrile	0.24	84		a pre 2 chloropropane	0.11	
1111	Aldicarb sulfone	0.000	.28		1,2-Dibromo-3-Chloroptoparto 1,2-Dibromoethane (Ethylene dibromide)	0.028	
1 1 1 1			056		Dibromomethane	0.11	
	Aldrin 4-Aminobiphenyl	••••	N/A		m-Dichlorobenzene	0.036	
		0.81	14		o- Dichlorobenzene	. 0.088	
TTTJ	Aniline	0.059	3.4		0- Dichloroberizerio	0.09	
	Anthracene	0.36	N/A		p- Dichlorobenzene	0.23	
	Aramite	0.056	1.4	TIT	Dichlorodifluoromethane	0.059	
+++1	Barban	0.056	1.4		1,1- Dichloroethane	0.21	
+++	Bendiocarb	0.055	1.4	1	1,2- Dichloroethane	0.025	
++++	Bendiocarb phenol	0.056	1.4	H+++	1,1- Dichloroethylene	0.054	
+++1	Renomyl		3.4	 	trans-1,2- Dichloroethylene	0.034	
┵┼┼┤	Benz (a) anthracene	0.059	3. 4 6	1-1-1	2.4- Dichlorophenol	0.044	
 - - -	Benzal Chloride	0.055	10	1-1-1-	d a c Dichlarophenol	0.044	
	Benzene	0.14			2,4-Dichorophenoxyacetic acid (2,4-D)		
	Benzo (b) fluoranthene	0.11	6.8	1-1-1-	1,2- Dichloropropane	23.0	
	Benzo (k) fluoranthene	0.11	6.8		cis-1,3-Dichloropropylene	0.036	
	Benzo (g,h,i) perylene	0.0055	1.8		trans-1,3-Dichloropropylene	0.036	
	Benzo (g.i.i.) per ficino	0.061	3.4		Dieldrin	0.01	
	Benzo (a) pyrene	0.00014	0.066		Dielann	0.	
111	alpha-BHC	0.00014	0.066		Diethyl phthalate	0.05	6
	beta-BHC	0.023	0.066		Diethylene glycol, dicarbamate	0.1	3
	delta-BHC	0.0017	0.056		p-Dimethylaminoazobenzene	0.03	6
	gamma-BHC (Lindane)	0.35	15		2,4-Dimethyl phenol	0.04	7
 	Bromodichloromethane	,0.11	15		Dimethyl phthalate	0.05	
├ ╶╎╶ ├─┼─	Bromomethane (Methyl bromide)	0.055	15	1	Dimetilan	0.05	
┝╌┼╌┼╌	4-Bromophenyl phenyl ether	5.6	2.6		Di-n-butyl phthalate	0.3	
┝╂┼┼	n-Butyl alcohol		28	1-1-1-	1.4-Dinitrobenzene	0.2	
╏╌╏╸╏╸	Butyl benzyl phthalate	0.017	1.4		4,6-Dinitro-o-cresol	0.	
 	d Dubleto	0.042		┝┼┼╌	2,4- Dinitrophenol	0.	
 - - -	2-sec-Butyl 4,6-dinitrophenol (Dinoseb)	0.066	2.5	\ - 	2,4-Dinitrotoluene	0.	
	Carbaryl	0.000	0.14		2,6-Dinitrotoluene		
	Carbenzadim	0.056	1.4	- - -	Di-n-octyl phthalate	0.0	
	Carbofuran	0.006	0.14		Di-n-propylnitrosamine).4
	Carbofuran phenol	0.056	1.4		1 1,4-Dioxane		12
	Carbon disulfide	3.8	4.8*		Diphenylamine		92
	Carbon tetrachloride	0.057	6		Diphenylnitrosamine		.92
	Carbon tetractionide	0.028	1.4		Dipnenyintiosarinio		87
	Carbosulian	0.0033			1,2- Diphenylhydrazine		17
	Chiordane(alpha & gamma)	0.46			Disulfoton		028
TTT	p-Chloroaniline	0.057			Dithiocarbamates (total)		023
	Chlorobenzene	0.1			Endosulfan I	0.	029
1	Chlorobenzilate	0.057			Endosulfan II		029
	2-Chloro-1,3-butadiene	0.057		1 1 1	Endosulfan sulfate		028
 	Chlorodibromomethane	0.037		- - - 	Endrin		025
++++	Chloroethane			 - - 	Endrin aldehyde		042
 	bis-(2-Chloroethoxy)methane	0.036		 	++ EPTC		0.34
 	bis-(2-Chloroethyl)ether	0.033	-	 	Ethyl acetate		.057
	2-Chloroethyl vinyl ether	0.06		 - - 	Ethyl benzene		0.24
1-!-!-	Chloreform	0.04			Ethyl cyanide (Propanenitrile)		
111	bis-(2-Chioroisopropyl)ether	0.05			Ethyl ether		0.12
	- Object m-cresol	0.01			Eury Eurer		0.14
	p-Chloro-m-cresol	0.1	9 30		Ethyl methacrylate		0.12
III	Chloromethane (Methyl chloride)	0.05			Ethylene oxide		0.28
	2-Chioronaphthalene	0.04	_		bis(2-Ethylhexyl) phthalate	(.017
	2-Chlorophenol	0.03			Famphur	(0.068
+++	3-Chloropropylene	0.03	-		Fluoranthene		0.059
	Chrysene	0.05	-	I	Fluorene		0.056
					Formetanate hydrochloride		

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

	Electro-Miniatures Corp	<u>. </u>	Ма	nifest No	N	IJA3066830	Page_2_ of		
rator Name: _		<u>₩₩ ₽</u>	ν·	MLI			WW	777	Y /Y
		0.055	4.4		7 p	hysostigmine salicylate	0.056		1.4 1.4
T Form	paranate	0.056	1.4 0.066	┝┼┼┼		Promecarb	0.05 (0.09)		1.5
Hepla	schlor	•	0.066	┝┾┼┼	1	Pronamide	0.05		1.4
Hepta	achlor epoxide	0.015	10	 	┦ F	Propham	0.05		1.4
Hexa	chlorobenzene	0.055	5.6	1	∣ F	Propoxur _	0.04		1.4
Hexa	chlorobutadiene	0.057	2.4	Him		Prosuffocarb	0.06		8.2
1 Hexa	chlorocyclopentadiene	0.055	30		7 F	Pyrene	0.01		16
Hexa	chloroethane	0.035	30			Pyridine	0.08		22
Hexa	echloropropylene DDs(Ail Hexachlorodibenzo-p-dioxins)	0.000063	0.001			Safrole	0.7		7.9
T HxC	DDs(All Hexachlorodibenzofurans)	0.0000€3	0.001		! כ	Silvex (2,4,5-TP)	0.05	5	14
1 HxC	no (1,2,3-c,d) pyrene	0.0055	3.4		<u> </u>	1,2,4,5-Tetrachlorobenzene	0.0000		0.00
		0.19	65		╝.	TCDDs (All Tetrachlorodibenzo-p-dioxins) TCDFs (All Tetrachlorodibenzofurans)	0.0000	3	0.00
1000	methane utyl alcohol	5.6	170		ЦŤ	TCDFs (All Tetrachiorocides20101011)	0.0	57	
Isod		0.021	0.066		Ц	1.1.1.2-Tetrachloroethane 1.1.2.2-Tetrachloroethane	0.0	57	
Isola		0.056	1.4		Ц	1,1,2,2-Tetrachioroculario	0.0	56	
1 1 1	arrole	0.081	2.6		Ц	Tetrachioroethylene 2,3,4,6-Tetrachiorophenoi	0.	03	7.
1 1 1	one	0.0011	0.13			Thiodicarb	0.0		1.
	hacrylonitrile	0.24	84			Thiophanate-methyl	0.0		1.
	thanol	5.6	0.75	111	H		0.0		Q.2
	thapyrilene	0.081	1.5		!	Tirpate Toluene		.08	
1 1 1 1	thiocarb	0.056	1.4		+-	Toxaphene	0.00		2
1 1	thomyl	0.028	0.14		11	Triallate)42	1
1 1 1	thoxychlor	0.25	0.18	1-1-1	+4	Tribromomethane (Bromoform)		.63	
	thyl ethyl ketone	0.28	36	144	44	1,2,4-Trichlorobenzene	_)5 5	
Me	thyl isobutyl ketone	0.14	33		╀┤	1,1,1-Trichlorethane		254	
- Me	thyl methacrylate	0.14	160		+1	1,1,2- Trichloroethane		054	
H Me	thyl methansulfonate	0.018	N/A 4.6	- 	++	Trichloroethylene		054	
- Me	ethyl parathion	0.014 0.0055		\ -{-}	┽┥	Trichloromonofluoromethane		0.02	
	Methylcholanthrene	0.0055		 - - 	┽┥	2,4,5-Trichlorophenol).18	
	4-Methylene bis(2-chloroaniline)	0.089		 		2.4.6-Trichlorophenol	_	035 0.72	
Me	ethylene chloride	0.056			++	2.4.5-Trichlorophenoxyacetic acid(2,4,5-	1)	0.85	
M M	etolcarb	0.056			+	1.2.3-Trichloropropane		.057	
M	exacarbate	0.042			1	1,1,2-Trichloro-1,2,2-trifluoroethane		.081	
T M	olinate	0.059			\dashv	Triethylamine		0.11	
	aphthalene	0.52			\dashv	tris-(2.3-Dibromopropyl) phosphate		.042	
	Naphthylamine	0.27				Vernolate		0.27	
	Nitroaniline	0.028		3	\sqcap	Vinyl chloride		0.32	
	Nitroaniline	0.068		4	\sqcap	Tylene(s)		1.2	
	itrobenzene	0.3		3	\sqcap	Cyanides (Total)		0.86	
	-Nitro-o-toluidine	0.02	6 13	3	\sqcap	Cyanides (Amenable)		35	
	Nitrophenol	0.1	2 29	9	П	Fluoride**		14	
	-Nitrophenol	0.	4 2	8	П	Sulfide		1.9	1
	I-Nitrosodiethylamine	0.		3	\sqcap	Antimony -		1.4	
<u> </u>	I-Nitrosodimethylamine I-Nitroso-di-n-butylamine	0.	4 1	7	\Box	Arsenic		1.2	2
	I-Nitrosomethylethylamine	0.	4 2.	3	\Box	Barium	•	0.82	
	4-Nitrosomorpholine	0.			П	Beryllium		0.69	
	4-Nitrosopiperidine	0.01	• .	5	11	Cadmium		2.77	
	N-Nitrosopyrrolidine	0.01		5	11	Chromium (Total)	•	0.69	
1 1	Dxamyl	0.05			11	Lead Mercury (Nonwastewater from Retort)		N/A	
, , , ,	Parathion	0.01			++	Mercury (All others)		0.15	
1 1 1 1	Total PCBs		• •	10	++			3.98	
	Pebulate	0.0	_	4	++	Nickel Selenium		0.82	
┤╸╎╸ ├╸┥╺	Pentachlorobenzene	0.0		10	++	Silver		0.43	
! 	PeCDDs (All Pentachlorodibenzo-p-dicxins)	0.0000			++	Thallium	-	1.4	
- - - 	PeCDFs(All Pentachlorodibenzofurans)	0.0000		76 H	++	Vanadium		4.3	
	Pentachioroethane	0.0		.8	┿	Zinc**		2.61	•
- - - 	Pentachloronitrobenzene	0.0		.4					
+++	Pentachlorophenol	0.0			• 7	rCLP Values ** N	lot UHC in charact	ertistic	. wa:
+++	Phenacetin	0.0	• •	16 5.6 Do		1-1 identified on the manifest t	listed above or on	the at	และา
	Phenanthrene	0.0		3.2 pro	eie v	waste stream(s) identified of the frantiest contain any of the constituents listed on this	table in concentr	ations	5
	Phenol Company of the	0.0		∠ pro	ine C	he regulatory levels?			
	o-Phenylenediamine	0.0		5.6 ab 4.6	וישעו	no regulatory research			
1 1 1	Phorate	0.0	_	4.6 28 []		T YES O \	ИО		
	Phthalic acid)55)55	28			11001-	\sim	
+++1	Phthalic anhydride	0.0			nalu	re(Date:	- 6 1 May 10	<u> </u>	
		^ ^							

`		SUBPART CC AND LAND DISP	OSAL RESTRIC	TION	NOTIFICA	ATION FORM	
	Flectr	o-Miniatures Corp.	Manifest N	o. <u>NJ</u>	A306683	31 Page	of
enerator Name		O TITILE OF GENERAL	ABC	This	is a non-wa	stewater stream.	
<u> </u>	nis is a wasle	ewater stream.	a b c	d			
		S CORRESPOND TO MANIFEST LINE ITEM	- OCD 000 Cubana	D.			
ne waste(s) descri	bed above, c	soes not meet the applicable treatment standards in a SINDICATE WHETHER WASTES ON THE MANIFEST	ARF REGULATED	INDER SU	UBPART CC	FOR CONTAINING VOC'S IN CONCENTR	ATION LEVELS
TTT SI	UBPART CC:	INDICATE WHETHER WASTES ON THE MANIFES OF EMANIFES OF THE MANIFES	TERINGA "Y" FOR	"YES" 0	R "N" FOR "	'NO" AS APPROPRIATE.	
		EUONE 10 OIL GILLIII III	B.LISTED	WASTE			
CHARACTERIST	CODE	SUBCATEGORY/CONSTITUENTS	MLI			SUBCATEGORY/CONSTITUENTS	
MLI	D001	Ignitable Wastes (TOC>10%)	 			Spent Halogenated Solvents Spent Halogenated Solvents	
131	D001°	Ignitable Wastes (TOC<10%)	 	- -	F002 F003	Spent Non-Halogenated Solvents	
B	D002°	Corrosive Wastes			F004	Spent Non-Halogenated Solvents	
	D003	Reactive Sulfides based on 261.23(a)(5) Explosives based on 261.23(a) (6).(7),(8)		11 :	F005	Spent Non-Halogenated Solvents	
	D003.	Unexploded ordinance/explosive	<u></u>				ABOVE
-}-}- }-	D003.	Other Reactive based on 261.23(a)(1)	CHECKR	EGULATE	JUSTITE OF CO	JENTS FOR LISTED WASTES IDENTIFIED	ABO12
+++	D003.	Water Reactive based on 261.23(a) (2).(3).(4)	(F001-F00	5):		•	
+++	D003	Reactive Cyanides based on 261.23(a) (5)				Acetone	
	D004*	Arsenic	 - - -	+-		Benzene	
	D005°	Banum		17		n-Butyl alcohol	
	D006.	Cadmium Cadmium Containing Batteries				Carbon disulfide	
+++	D006°	Cadmium Containing batteries Chromium				Carbon tetrachloride	
	D007* D008*	Lead		44.		Chlorobenzene	•
- 	D008.	Lead Acid Batteries	1-1-1	4-1		o-Cresol m-Cresol	
	D009°	High Mercury-Organic				p-Cresol	•
	D009*	High Mercury-Inorganic	1-1-1	\dashv		Cresol	
	D009.	Low Mercury	 			Cyclohexanone	
	D009.	Mercury Wastewater Selenium				o-Dichlorobenzene	
	D010°	Silver				Ethyl acetate	
 	D011	Endrin				Ethyl benzene Ethyl ether	
	D013*	Lindane	-			Isobutyl alcohol	
	D014*	Methoxychlor		+		Methanol	
	D015*	Toxaphene				Methylene chloride	
	D016*	2,4-D				Methyl ethyl ketone	
	D017*	2.4,5-TP (Silvex) Benzene				Methyl isobutyl ketone	
	D018* D019*	Carbon Tetrachloride				Nitrobenzene	
	D020*	Chlordane	 -	- -		Pyridine Tetrachloroethylene	
	D021*	Chlorobenzene	 -			Toluene	
	DC22*	Chloroform	 -	+++		1,1,1-Trichloroethane	
	D023°	o-Cresol	<u> </u>	\Box		1,1,2-Trichloroethane	
	D024*	m-Cresol				1,1,2-Trichloro-1,2,2-trilluoroethane	
	D025*	p-Cresol Cresol (total)				Trichloroethylene	
	D020	p-Dichlorobenzene :	<u> </u>	444		Trichloromonofluoromethane Xylenes	
	D028*	1,2-Dichloroethane	 	 		2-Nitropropane	
	D029*	1,1-Dichloroethylene	·	╂╌┼╌╢	İ	2-Ethoxyethanol	
	D030°	2.4-Dinitrotoluene	<u></u>		•.	•	
	D031°	Heptachlor Hexachlorobenzene		\prod	F006	Electroplating WWT sludge	
1 + + +	D033*	Hexachlorobutadiene		444	F035	Wood preserving wastewater Petroleum refinery primary oil/water s	separation sludge
 	D033.1	Hexachloroethane	1 !	++-	F037	Petroleum refinery primary oil/waters Petroleum refinery secondary oil/wat	er separation studg
C	D035*	Methyl ethyl ketone	}	++-	F038 F039	Multi-source Leachate	•
	D036°	Nitrobenzene	 	++-	K048	Dissolved air flotation float	
	D037*	Pentachlorophenol	 		K049	Slop oil emulsion solids	
	D038*	Pyridine Tayor chloroothydene					- days Canadian
1 1 1 1 1 1 1	D039.	Tetrachloroethylene	Does	the waste	identified b	y an asterisk (*) contain any Underlying H	azardous Constitu
 	D040*	Trichloroethylene 2,4,5-Trichlorophenol	per 2	68.7(a)(1)	? Del	YES	
 	D041*	2.4.6-Trichlorophenol			Fi	700	<u>.</u> .
 	D042	Vinyl chloride			<u> </u>		٠
<u> </u>	_		ITYE	s, attach	a complete	d UTS/UHC form to this document*	
	STES (for co	odes not listed above)	le below.				
MLI	Enterv	waste codes/subcategory, if applicable, in the tab					
	1						
	+						
 							

Chemical Conservation C	orp. Chem-Met Services, Inc. STANDARDS(UTS)/UNDERLYIN	Chemical Cons G HAZARDOUS CON	servation of Georgia, Inc. STITUENTS(UHC) FOR	RM.
UNIVERSAL TREATMENT	1-25 (Manifest No:	Page:_1_0	of _2_

Manifest No:	Page:_1_ or _2_
Generator Name:	-D043 waste streams in
Generator Name	xplosive, water
concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an assential transfer (MLI) in the	e poxed to the left of the

concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water reactive and other reactive only) (WW = Wastewater; NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the constituents. If using this form in association with a profile, place an X in the box next to the approriate constituent(s).

1		WW NW	<u>w</u>	M		·	<u></u>	<u>1</u> 1
		0.042	1.4	П		m-Cumenyl methylcarbamate	0.056 0.36	1.4 0.75 <u>*</u>
	A2213		3.4	十	++1	Cyclohexanone	0.023	0.087
	Acenaphthene		3.4	H	+++	o,p'- DDD	0.023	0.087
	Acenaphthylene		160	H	1	p,p'- DDD	0.023	0.087
	Acetone	5.6	38	H	111	o.p'-DDE	0.031	0.087
111	Acetonitrile		9.7	H		p.p'- DOE	0.0039	0.087
	Acetophenone		140	十	111	o.p'- DDT	0.0039	0.087
, ,	2-Acetylaminofluorene		N/A	. 1	111	p.p'- DDT	0.055	8.2
	Acrolein	19	23	H	++-	Dibenz(a,h)anthracene	0.061	N/A
	Acrylamide	0.24	84	+	++1	Dibenz(a,e)pyrene	0.11	15
	Acrylonitrile		0.28	\vdash	++1	1,2-Dibromo-3-chloropropane		15
	Aldicarb sulfone		.066	H		1,2- Dibromoethane (Ethylene dibromide)	0.023	15
1 1 1	Aldrin	0.13	N/A	\vdash		Dibromomethane	0.036	6
	4-Aminobiphenyl	0.81	14	H	-1-1-	m-Dichlorobenzene		6
\Box	Aniline	0.059	3.4	Н	- 1 - 1 - 1	o- Dichlorobenzene	0.088	. 6
++1	Anthracene		N/A	\vdash		p- Dichlorobenzene	0.09	7.2
 	Aramite	0.36	1.4	-	- - -	Dichlorodifluoromethane	0.23	
++	Barban	0.056		-	 	1,1- Dichloroethane	0.059	6
++-	Bendiocarb	0.056	1.4	-	 	1,2- Dichloroethane	0.21	6
++-	Bendiocarb phenol	0.056	1.4	<u> </u>	!	1,1- Dichloroethylene	0.025	6
╀┼┤	Benomyl	0.056	1.4	-	 	trans-1,2- Dichloroethylene	0.054	30
 	Benz (a) anthracene	0.059	3.4	<u> </u>	\ 	2,4- Dichlorophenol	0.044	14
╀┼┤	Benzal Chloride	0.055	6	L	+++	2,6- Dichlorophenol	0.044	14
╀┼┤	Benzene	0.14	10	L	$\bot \bot \bot$	2,4-Dichorophenoxyacetic acid (2,4-D)	0.72	10
! ! 	Benzo (b) fluoranthene	0.11	6.8	L	1.1.1.	2,4-Dichorophenoxyaceuc add (2,1 =)	0.85	18
4-4-1	Benzo (k) fluoranthene	0.11	6.8			1,2- Dichloropropane	0.036	18
444	Benzo (g,h,i) perylene	0.0055	1.8			cis-1,3-Dichloropropylene	0.036	18
	Benzo (a) pyrene	0.061	3.4			trans-1,3-Dichloropropylene	0.017	0.13
		0.00014	0.066	Γ	$\top \bot \bot$	Dieldrin	0.2	28
	alpha-BHC beta-BHC	0.00014	0.066	Г		Diethyl phthalate	0.056	
	delta-BHC	0.023	0.066	Γ		Diethylene glycol, dicarbamate	0.13	
<u> </u>	gamma-BHC (Lindane)	0.0017	0.066	Γ	$T \cap I$	p-Dimethylaminoazobenzene	0.036	
11	Bromodichloromethane	0.35	15	Γ	111	2,4-Dimethyl phenol	0.047	
11	Bromodichiorotheriane	0.11	15	ſ	$\neg \neg \neg$	Dimethyl phthalate	0.056	
11	Bromomethane (Methyl bromide)	0.055	15	- 1	111	Dimetilan	0.057	
11	4-Bromophenyl phenyl ether	5.6	2.6	Ī		Di-n-butyl phthalate	0.32	
	n-Butyl alcohol	0.017	28	1		1,4-Dinitrobenzene	0.28	
11	Butyl benzyl phthalate	0.042	1.4	1	111	4,6-Dinitro-o-cresol	0.13	·
$\top \bot$	Butylate (Dinoseh)	0.066	2.5	ŀ	- 	2.4- Dinitrophenol	0.12	•
	2-sec-Butyl 4,6-dinitrophenol (Dinoseb)	0.006	0.14	ł		2,4-Dinitrotoluene	0.5	_
11	Carbaryl	0.056	1.4		++-	2,6-Dinitrotoluene	0.01	~
	Carbenzadim	0.006	0.14	- 1		Di-n-octyl phthalate	0.01	
\Box	Carbofuran	0.056	1.4	ì		Di-n-propylnitrosamine		2 170
$\neg \neg$	Carbofuran phenol	3.8				1,4-Dioxane		
	Carbon disulfide	0.057			┝┤╌┼╌	Diphenylamine	0.9	_
	Carbon tetrachloride	0.037			 	Diphenylnitrosamine	0.9	_
11	☐ Carbosulfan				┝┼┼	1,2- Diphenylhydrazine	0.08	''
11	Chlordane(alpha & gamma)	0.0033			┝┼┼╌	Disulfoton	0.01	•
 	p-Chloroaniline	0.46			├ ┤	Dithiocarbamates (total)	0.02	
i i l	Chlorobenzene	0.057				Endosulfan I	0.02	
111	Chlorobenzilate	0.1				Endosulfan II	0.03	
i i i	2-Chloro-1,3-butadiene	0.057			 - -	Endosulfan sulfate	0.0	
! 	Chlorodibromomethane	0.057			1-1-	Endrin	0.00	
\ 	Chloroethane	0.27			1-1-	Endrin aldehyde	0.0	
} 	bis-(2-Chloroethoxy)methane	0.036					0.0	
+++	bis-(2-Chloroethyl)ether	0.033				EPTC Structure	0.	34
+++	2-Chloroethyl vinyl ether	0.063	2 N/A	4		Ethyl acetate	0.0	
 	Chloroform	0.046	_	3		Ethyl benzene	0.	24 3
1 ! !	bis-(2-Chloroisopropyl)ether	0.05	5 7.2	2		Ethyl cyanide (Propanenitrile)		.12 1
111	p-Chloro-m-cresol	0.01		4	\Box	Ethyl ether		14 1
$\perp \perp \perp$	p-Chloro-m-cresol Chloromethane (Methyl chloride)	0.1	-			Ethyl methacrylate		12 N
	Chloromethatie (Methyl Chloride)	0.05				Ethylene oxide		.28
	2-Chloronaphthalene	0.04	_		1-1-1	bis(2-Ethylhexyl) phthalate)17
TT	2-Chlorophenol	0.03		0	1	Famphur	-)68
$T_{-}T_{-}$	3-Chloropropylene	0.05			1-1-1	Fluoranthene	_)59
	Chrysene	0.00			 - - 	Fluorene		056 DEV008
1 7	T o-Cresol	U. 1	٠, ٠,		1 1 1	Formetanate hydrochloride	Ų.·	

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

elor Name: Ekchro-miniatures	- '(/anifest			₩W.	NWM
	WW NWW	ML			0.056	1.4
	0.056 1.4		F	hysostigmine salicylate	0.056	1.4
Formparanale	0.000	 		Promecarb	0.030	1.5
Heptachlor		1-1-+		Pronamide		1.4
Heptachlor epoxide	0.016 0.066			Propham	0.056	1.4
Hexachlorobenzene	0.055 10	1-1-1		Propoxur	0.055	1.4
Hexachlorobutadiene	0.055 5.6		, , ,	Prosulfocarb	0.042	
Hexachiorocyclopentadiene	0.057 2.4	1-1-	1 1 1 .		0.067	8.2
Hexachloroethane	0.055 30		·	Pyrene	0.014	16
Hexachloropropylene Hexachloropropylene	0.035 30	1 1	, , , , , ,	Pyridine	0.081	22
HxCDDs(All Hexachlorodibenzo-p-dioxins)	0.000063 0.001			Safrole	0.72	7.9
HxCDDs(All Hexachlorodibenzofurans)	0.000063 0.001	$-\Gamma$		Silvex (2,4,5-TP)	0.055	14
HXCDFS(All Hexacillorodiperizoration)	0.0055 3.4	. [1,2,4,5-Tetrachlorobenzene	0.000063	0.001
Indeno (1,2,3-c,d) pyrene	0.19 65	;		TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.000063	0.001
lodomethane	5.6 170) 	+11	TCDFs (All Tetrachlorodibenzofurans)	0.057	6
Isobutyi alcohol	0.021 0.056		+++	1 1 1.2-Tetrachloroethane	0.057	
Isodrin	0.056 1.4		++1	1.1.2,2-Tetrachloroethane	0.056	_
Isolan	0.000	<u> </u>	+++	Tetrachloroethylene		
Isosafrole	••••		444	2,3,4,6-Tetrachlorophenol	0.03	
Kepone	0.0011 0.13		444	Thiodicarb	0.019	
Methacrylonitrile	0.24 84		444		0.056	
	5.6 0.75			Thiophanate-methyl	0.056	_
Methanol	0.081 1.	5 🗔	TT	Tirpate	0.08	
Methapyrilene	0.056 1.	4		Toluene	0.009	5 2.0
Methiocarb	0.028 0.1		$\neg \neg \neg$	Toxaphene	0.042	
Methomyl	0.25 0.1			Triallate	0.6	•
Methoxychlor	•	6	11	Tribromomethane (Bromoform)	0.05	•
Methyl ethyl kelone	•	33		1,2,4-Trichlorobenzene	0.05	•
Methyl isobutyl ketone	••••			1,1,1-Trichlorethane		•
Methyl methacrylate	0.14 16		 -	1,1,2- Trichloroethane	0.05	
Methyl methansulfonate	0.018 N			1,1,2-1110110100110110	0.05	_
Methyl methanismichate	0.014 4	.6		Trichloroethylene	0.0	
Methyl parathion	0.0055	15	$\Pi\Pi$	Trichloromonofluoromethane	0.1	
3-Methylcholanthrene		30	$\Pi\Pi$	2,4,5-Trichlorophenol	0.03	35 7
4.4-Methylene bis(2-chloroaniline)	,	30	+++	2,4,6-Trichlorophenol		_
Methylene chloride	0.000	1.4	+++	2.4.5-Trichlorophenoxyacetic acid(2,4,5-	0.8	
Metolcarb	•	4	+++	1 2 3-Trichioropropane	.0.0	
Mexacarbate	•	.4	+++	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00	••
Molinate	•••	1	! 	Triethylamine	-	••
Naphthalene	•	₹.6 □	 - - 	tris-(2,3-Dibromopropyl) phosphate	0.	• •
2-Naphthylamine		A [0.0	
o-Nitroaniline	0.27	14	444	Vemolate		.27
	0.028	28	111	Vinyl chloride	0.	.32
p-Nitroaniline	0.068	14	\top	Xyiene(s)	-	1.2
Nitrobenzene	0.32	28	111	Cyanides (Total)	0	.86
5-Nitro-o-toluidine	0.028	:3	111	Cyanides (Amenable)	-	35
o-Nitrophenol	0.12	29	- - - 	Fluoride**		14
p-Nitrophenol		28	- - - 	Sulfide		
N-Nitrosodiethylamine	0.4		_{-}-	Antimony		
N-Nitrosodimethylamine	G.4 .	2.3	444			
N-Nitroso-di-n-butylamine	0.4	17	44	Arsenic		1.2 2
N-Nitrosomethylethylamine	0.4	2.3		Barium).82 1
N-Nitrosometriyletriylatriire	0.4	23	1.1	Beryllium	().69 0
N-Nitrosomorpholine	0.013	35		Cadmium	:	2.77 0
N-Nitrosopiperidine	0.013	ુર ₹	711	Chromium (Total)	·	0.69 C
N-Nitrosopyrrolidine		0.28	-	T Lead		N/A C
Oxamyl	0.014	5	┝┼┼┼	Mercury (Nonwastewater from Retort)		0.15 0.
Parathion		10	┝┼┼	Mercury (All others)		3.98
Total PCBs	0.1		 	Nickel		0.00
Pebulate	0.042	1.4	1-1-	Selenium		0.82 0.43
Pentachlorobenzene	0.055	10	\coprod	· ·		U
PecDDs (All Pentachlorodibenzo-p-dioxins)	0,000	0.001		Silver	-	1.4
PeCDDs (All Pentachlorodibenzofurans)	0.000035	0.001	ITT	Thallium		4.3
	0.055	6		Vanadium**		2.61
Pentachloroethane	0.055	4.8	111	Zinc**		
Pentachloronitrobenzene	0.089	7.4	-نــنــ			dictic was
Pentachlorophenol		16		TCLP Values	lot UHC in characer	LIDEL WG
Phenacetin	0.081		D- ··	(-) identified on the manifest	listed above or on the	ne allaun
Phenanthrene	0.059	5.6	טס נהפ	contain any of the constituents listed on this	s table in concentrat	tions
Phenol	0.039	6.2	profile	contain any or the constituents have an am		
	0.058	5.6	above	the regulatory levels?		
o-Phenylenediamine	0.021	4.6			NO	
Phorate	0.055	28		TT YES	، "لبلسلسا	
Phthalic acid	0.055	28	لللل	\sim \sim \sim \sim	1.10011	6
Phthalic anhydride			· ·	Date:	- 6100-1A	
Physostigmine	0.056	1.4	Signa	ILUIO VIDENTE DE LA CONTRACTOR DE LA CON	, 1	

		POSAL RESTRICTION NOTIFICATION FORM Page of
	leuro-miniators Cop	Manifest No
nerator Name	vastewater stream.	This is a non-wastewater stream.
	TO MANIFEST LINE ITEM	a b c d
NO1=: E	OXES CORRESPOND TO MAKE EVEN we does not meet the applicable treatment standards	n 40 CFR 268 Subpart D.
waste(s) described abo	OCUMEN ATE WHETHER WASTES ON THE MANIFE	IN 40 CFR 268 SUDPAN D. ISTARE REGULATED UNDER SUBPART CC FOR CONTAINING VOC'S IN CONCENTRATION LEV ENTERING A "Y" FOR "YES" OR "N" FOR "NO" AS APPROPRIATE.
SUEPAR	EQUAL TO OR GREATER THAN 500 PPMW BY	
HARACTERISTIC WAS	=	B. USTED WASTE
MLI _ CODE	SUBCATEGORITOCKSTITUTE	Front Spent Halogenated Solvents
M C C C C C C C C C C C C C C C C C C C	Ignitable Wastes (TOC>10%)	Fm2 Spent Halogenated Solvents
D001°	Ignitable Wastes (TOC<10%)	F003 Spent Non-Halogenated Solvents
D002*	Corrosive Wastes Reactive Sullides based on 261.23(a)(5)	F004 Spent Non-Halogenated Solvents
D003	Explosives based on 261.23(a) (6).(7).(8)	F005 Spent Non-Halogenated Solvents
D003	Unexploded ordinance/explosive	CHECK REGULATED CONSTITUENTS FOR LISTED WASTES IDENTIFIED ABOVE
D603.	Other Reactive based on 261.23(a)(1)	
D003*	Water Reactive based on 261.23(a) (2).(3).(4)	(F001-F005):
D003	Reactive Cyanides based on 261.23(a) (5)	Acetone
D004*	Arsenic	Benzene
D005	Barium Cadmium	n-Butyl alcohol
D006	Cadmium Containing Batteries	Carbon disulfide Carbon tetrachloride
D007	Chromium	Chlorobenzene
0008		o-Cresol
1 1 D008		m-Cresal
D009		p-Cresol
1 1 D009		Cresol
D009		Cyclohexanone
D009	- · ·	o-Dichlorobenzene
		Ethyl acetate Ethyl benzene
D012		Ethyl ether
D01:		isobutyl alcohol
D014		Methanol
D01		Methylene chloride
D01		Methyl ethyl kelone
D01	_	Methyl isobutyl ketone Nitrobenzene
1 D01	and the same state of the	Pyridine
D02		Tetrachioroethylene
D02	1° Chlorobenzene	Toluene
1 1 1 E02		1,1,1-Trichloroethane
1 1 DO2		1,1,2-Trichloroethane
D03		1,1,2-Tricbloro-1,2,2-trilluoroethane
Doz	- 16 1 M	Trichloroethylene Trichloromonofluoromethane
		Xylenes
DO:		2-Nitropropane
D0:		2-Ethoxyethanol
D0		•
		Foo6 Electroplating WWT sludge
		F035 Wood preserving wastewater F037 Petroleum refinery primary oil/water separation
1 1 D0		
 _	35° Methyl ethyl ketone	F038 Petroleum retinery securidary ou material process of the petroleum retinery securidary ou material process of the petroleum retinery securidary ou material process of the petroleum retinery securidary ou material process of the petroleum retinery securidary ou material process of the petroleum retinery securidary out the petroleum retinery out the petroleum retinery out the petroleum retinery out the pet
	36° Nitrobenzene	K048 Dissolved air flotation float
D0	37° Pentachlorophenol	K049 Slop oil emulsion solids
	38° Pyridine	
	39° Tetrachloroethylene	Does the waste identified by an asterisk (*) contain any Underlying Hazardous
	40° Trichloroethylene 41° 2.4.5-Trichlorophenol	per 268.7(a)(1)? YES
		0
1	42* 2,4,6-Trichlorophenol 43* Vinyl chloride	
	•	If YES, *attach a completed UTS/UHC form to this document*
<u> </u>		
C OTHER WASTES (or codes not listed above)	able below.
C OTHER WASTES (or codes not listed above) ster waste codes/subcategory, if applicable, in the t	able below.
C OTHER WASTES (or codes not listed above) ster waste codes/subcategory, If applicable, in the t	able below.

•		
		Chemical Conservation of Georgia, Inc.
i L Concentation Corn	Chem-Met Services, Inc.	HAZARDOUS CONSTITUENTS(UHC) FORM
Chemical Conservation Corp.	WING!	HAZARDOUS CONSTITUEN IS(UNC) FURM
TOTAL TOTAL STANDA	ARDS(UTS)/UNDERLING	IALARDOGO CORCINICIO
TRINCEDSAL INCA INICIA STANDI		

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,	Electro-Miniatures Corp.
	Lieutio-miniatures oorp.
(Generator Name:

Manifest No: NJA3066831

Page: 1 of 2

List all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003# and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water reactive and other reactive only) (WW = Wastewater; NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the constituents. If using this form in association with a profile, place an X in the box next to the approriate constituent(s).

11	<u>ww</u>	ИWW	M	111	·	<u>ww</u>	NWW
بط	0.042	1.4			m-Cumenyl methylcarbamate	0.056	1.4 0.75*
1 1 A2213	0.059	3.4	H		Cyclohexanone	0.36	0.73
Acenaphthene	0.059	3.4		 	o,p'- DDD	0.023	0.087
Acenaphthylene	0.28	160	-	 	p,p'- DDD	0.023	0.087
Acetone	5.6	38	-	+	o,p'- DDE	0.031	0.087
Acetonitrile	0.01		├-	 - - -	p.p'- DDE	0.031	0.087
Acetophenone	0.059		-	\ 	o.p'- DDT	0.0039	0.087
2-Acetylaminofluorene	0.039		 	+++	p.p'- DDT	0.0039	8.2
Acrolein	0.29		\vdash	╅┼┼┼┤	Dibenz(a,h)anthracene	0.055	
Acrylamide	0.24		⊢	┼┼┼┤	Dibenz(a.e)pyrene	0.061	N/A 15
Acrylonitrile	0.056			┨┼┼┤	1.2-Dibromo-3-chloropropane	0.11	15
Aldicarb sulfone	0.030			+++ +	1,2- Dibromoethane (Ethylene dibromide)	0.028	15
Aldrin	0.02			┼┼┼┤	Dibromomethane	0.11	. (
4-Aminobiphenyl	0.8		<u></u>	╅┼┼┼	m-Dichlorobenzene	0.036	
Aniline	0.059		<u> </u>	+++	o- Dichlorobenzene	0.088	
Anthracene	0.03	_	<u> </u>	+++	p- Dichlorobenzene	0.09	7.:
Aramite		_		┵┼┼	Dichlorodifluoromethane	0.23	1
Barban	0.05	-			1,1- Dichloroethane	0.059	
Bendiocarb	0.05	-	L-	- -	1,2- Dichloroethane	0.21	
Bendiocarb phenol	0.05		-		1.1- Dichloroethylene	0.025	
Benomyl	0.05		L		trans-1,2- Dichloroethylene	0.054	3
Benz (a) anthracene	0.05				2,4- Dichlorophenol	0.044	1
Benzal Chloride	0.05	_	6		2,6- Dichlorophenol	0.044	1
Benzene	0.1		1		2,4-Dichorophenoxyacetic acid (2,4-D)	0.72	
Benzo (b) fluoranthene	0.1		1	┤┤┤	1,2- Dichloropropane	0.85	
Benzo (k) fluoranthene	0.1			\Box	cis-1,3-Dichloropropylene	0.036	
Benzo (g,h,i) perylene	0.00		.8		trans-1,3-Dichloropropylene	0.036	
Benzo (a) pyrene	0.0		.4	+++	Dieldrin	0.017	
alpha-BHC		14 0.06		1-1-1-	Diethyl phthalate	0.2	
beta-BHC		14 0.06		1-1-1-	Diethylene glycol, dicarbamate	0.056	
delta-BHC		23 0.06		 	p-Dimethylaminoazobenzene	0.13	
gamma-BHC (Lindane)		17 0.06		1-1-1-1	2,4-Dimethyl phenol	0.036	
Bromodichloromethane			15 .	1-1-1-1	Dimethyl phthalate	0.047	
Bromomethane (Methyl	bromide) 0.		15		Dimetilan	0.056	
4-Bromophenyl phenyl	ether U.C		15		Di-n-butyl phthalate	0.05	
n-Butyl alcohol	:		2.6	1-1-1-1	1,4-Dinitrobenzene	0.3	
Butyl benzyl phthalate			28	1-1-1	4,6-Dinitro-o-cresol	0.2	
Butvlate			1.4		2,4- Dinitrophenol	0.1	
2-sec-Butyl 4,6-dinitrop	1101101 (011100-)		2.5	1-1-1-1	2,4-Dinitrotoluene	0.3	
Carbaryl	0.0		.14	1-1-1-1	2.6-Dinitrotoluene	0.5	
Carbenzadim			1.4		Di-n-octyl phthalate	0.01	
Carbofuran			.14	\ -\-\-	Di-n-propylnitrosamine	0.	
Carbofuran phenol	0.		1.4		1,4-Dioxane		2 .
Carbon disulfide			.8°	1-1-	Diphenylamine	0.9	
Carbon tetrachloride		057	6	1++	Diphenylnitrosamine	0.9	
Carbosulfan			1.4	 -	1,2- Diphenylhydrazine	0.08	
Chlordane(alpha & gar	: II 1 ICL /		1.26	 - - -	Disulfoton	0.0	
p-Chloroaniline		0.46	16	 	Dithiocarbamates (total)	0.0	
Chlorobenzene	0.	.057	6	1++	Endosulfan I	0.0	
Chlorobenzilate	_		N/A	1-1-1-	Endosulfan II	0.0	
2-Chloro-1,3-butadien	9		0.28	1-1-1	Endosulfan sulfate	0.0	
Chlorodibromomethan	e U	.057	15	111	Endrin	0.00	
Chloroethane		0.27	6	- - -	Endrin aldehyde	0.0	
bis-(2-Chloroethoxy)	CHICHE	.036	7.2	- - -	EPTC		42
bis-(2-Chloroethyl)eth	er ^C	.033	6		Ethyl acetate		.34
2-Chloroethyl vinyl eth	ner C		N/A		Ethyl benzene)57 ~
Chloroform	Ĺ	.046	6		Ethyl cyanide (Propanenitrile)		.24
bis-(2-Chloroisopropy	i len iei).055	7.2		Ethyl ether		.12
p-Chloro-m-cresol	•	0.018	14		Entry methacodate		.14
Chloromethane (Meth	yl chloride)	0.19	30		Ethyl methacrylate		.12
2-Chloronaphthalene	(0.055	5.6		Ethylene oxide bis(2-Ethylhexyl) phthalate		.28
2-Chlorophenol	•	0.044	5.7				017
3-Chloropropylene		0.036	30		Famphur		068
Chrysene	•	0.059	3.4		Fluoranthene		059
o-Cresol	•	0.11	5.6		Fluorene Fluorene hydrochloride	0.	056 DEV998
O Ciesor	_	0.77	5.6	177	Formetanate hydrochloride		(, uux

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

erator Name:E	<u>lectro-Miniatures Corp</u>	<u> </u>	Ma	anifest No	: <u>1</u>	NJA3066831	Page_2_ of _	
L			√ ₩	MLI			WW	MMM
		0.056	1.4		□ F	Physostigmine salicylate	0.056	
Formpa		0.0012	0.066	 - - - 		Promecarb	0.056	
Heptacl		0.0012	0.066	 		Pronamide	0.093	
	hlor epoxide	0.015	10	 		Propham	0.056	
	lorobenzene	0.055	5.6	 		Propoxur	0.056	
Hexact	nlcrobutadiene	0.053	2.4			Prosulfocarb	0.043	
	nlorocyclopentadiene	0.057	30	 		Pyrene	0.06	
	nioroethane		30		1	Pyridine	0.01	
Hexact	nloropropylene	0.035		1-1-1-		Safrole	80.0	
HxCD0	Os(Ail Hexachlorodibenzo-p-dioxins)	0.000063	0.001	1-1-1-		Silvex (2,4,5-TP)	0.7	
HxCDF	s(All Hexachlorodibenzofurans)	0.000063	0.001	1-1-1-	Н.	1,2,4,5-Tetrachiorobenzene	0.05	
Indend	(1,2,3-c,d) pyrene	0.0055	3.4	1-1-1-	₩.	TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.00006	
lodom	ethane	0.19	65		₩.	TCDFs (All Tetrachlorodibenzofurans)	0.00006	3 0.001
	yl alcohol	5.6	170	1-1-1-	11	TCDPS (All Tellactionociberations)	0.05	7 6
Isodrin		0.021	0.066		11	1.1.1.2-Tetrachloroethane	0.05	7 6
Isolan		0.056	1.4			1,1,2,2-Tetrachloroethane	0.05	6 6
Isosaf		0.081	2.6			Tetrachloroethylene	0.0	
Kepor		0.0011	0.13		\Box	2,3,4,6-Tetrachlorophenol	0.0	
1 1 1 '		0.24	84	\Box	\Box	Thiodicarb	0.0	
	acrylonitrile	5.6	0.75*			Thiophanate-methyl	0.0	
Metha		0.081	1.5	HT	\dashv	Tirpate		
1 1 1	apyrilene	0.056		 	+1	Toluene	0.0	• •
Methi		0.028		- - - - - - - - - - 	\dashv	Toxaphene	0.00	
Metho		0.25		 	╁	Triallate	0.0	_
	oxychlor	0.28		 - - 	$\dashv \dashv$	Tribromomethane (Bromoform)		63 15
	yl ethyl ketone			1-1-1	+	1,2,4-Trichlorobenzene	0.0	
	yl isobutyl ketone	0.14		 		1.1.1-Trichlorethane	0.0	_
Meth	yl methacrylate	0.14			+-	1,1,2- Trichloroethane	0.0	154. 6
Meth	yl methansulfonate	0.018				Trichloroethylene	0.0)54 6
	yl parathion	0.014			-11	Trichloromonofluoromethane	0.	.02 30
	thylcholanthrene	0.005					0	.18 7.4
	Methylene bis(2-chloroaniline)	0.9				2,4,5-Trichlorophenol	0.0	35 7.4
	ylene chloride	0.08				2,4,6-Trichlorophenol	m 0	.72 7.9
1 1 1	olcarb	0.05				2,4,5-Trichlorophenoxyacetic acid(2,4,5-	''	.85 30
	acarbate	0.05	6 1.4			1,2,3-Trichloropropane		057 30
Molit		0.04	2 1.4			1,1,2-Trichloro-1,2,2-trifluoroethane		081 1.5
	nthalene	0.05	9 5.6		[]_	Triethylamine).11 0.1
		0.5	2 N/A		IΠ	tris-(2,3-Dibromopropyl) phosphate		042 1.
	aphthylamine troaniline	0.2	7 14		П	Vemolate		0.27
		0.02	8 28	3	П	Vinyl chloride).32 3
	troaniline	0.08		4	11	Xylene(s)	,	
	benzene	0.3	_		1 1	Cyanides (Total)		
	tro-o-toluidine	0.02	-		H	Cyanides (Amenable)	(
	trophenol	0.02	-		++	Fluoride		
p-Ni	trophenol		_		1-1-	Sulfide		14 N/
N-N	itrosodiethylamine				++	Antimony		1.9 1.15
N-N	itrosodimethylamine		.4 2.		++			1.4 5.0
H H N-N	litroso-di-n-butylamine		.4 1		++-	Arsenic		1.2 21.0
	litrosomethylethylamine	_	.4 2.	1	14	Barium		0.82 1.23
	litrosomorpholine		.4 2.		44	Beryllium		0.69 0.1
	litrosopiperidine	0.0			44	Cadmium		2.77 0.6
	litrosopyrrolidine	0.0			11	Chromium (Total)		0.69 0.7
1 1 1 1	amvi	0.0			11	Lead Botod)		N/A 0.2
	athion	0.0				Mercury (Nonwastewater from Retort)		0.15 0.02
1 1 1 1	at PCBs	().1 1	0	TT	Mercury (All others)		3.98 11.
(1 1 1	oulate	0.0	42 1.	.4	77	Nickel		0.82 5.
		0.0		10 H	11	Selenium	•	0.62 0.1
l l l Per	ntachlorobenzene	0.0000			++	Silver		0.10
l l Pe	CDDs (All Pentachlorodibenzo-p-dioxins)	0.0000			++	Thallium	-	
	CDFs(All Pentachlorodibenzofurans)	0.0000		6 H	++	Vanadium**		
1 1 1 5 -	ntachloroethane			.8 	++	Zinc**		2.51 4
Per Per	ntachloronitrobenzene	0.0			Щ.		*	
Per	ntachlorophenol	0.0		.4		CLB Values ** N	ot UHC in charace	rtistic waste:
T T Ph	enacetin			16	- 1	CLP Values raste stream(s) identified on the manifest li	isted above or on t	he attached
1 1 1 1	enanthrene			.6 Do	the w	raste stream(s) identified on the manifest if	table in concentra	tions
	enol 4- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4- 4-	0.0)39 6	i.2 pro	file co	ontain any of the constituents listed on this	INDIE III CONTOCINO	-
1 1 1 1	Phenvienediamine	0.0	56 5	.6 abo	ove th	e regulatory levels?		
_!!	•			1.6		·		
! !	orate		_	28	11	TYES A 1 - TI	NO 1	
	thalic acid			28		e Dul We Date:	1,1001	70
Ph	thalic anhydride				gnatur	a (I.) is Will Date:	01921	<u> </u>
	iysostigmine	0.1)56 1	.4 Sig	ากสแม	E 10 1000		

٠,	r					4 2	la a		Chemical Conservat	lion of Georg	ia, Inc.
`4	•		(Chemical	Conservation Corp. Chem-Me SUBPART CC AND LAND DI	et Services, SPOSAL RE	Inc. ESTRICTION	NOTIFIC	CATION FORM	Page	
				Ele	cotro-miniature Corp	Mar	nilest No			Faye	0,
Gene	rato	r Na	me			L	Th	is is a non-	wastewater stream.		
X					ewater stream. ES CORRESPOND TO MANIFEST LINE ITEM						
•			N	IOTE: BOX	does not meet the applicable treatment standards	in 40 CFR 258	Subpart D.			IC IN CONCENTE	PATION LEVE
The w	asle	(s) d	escri	bed above,	does not meet the applicable treatment standards INDICATE WHETHER WASTES ON THE MANIF	ESTARE REGU	LATED UNDER	SUBPART C	C FOR CONTAINING VOC	E.	17(10112212
\sqcap	\top	T	S	JBPART CC	: INDICATE WHETHER WASTES ON THE MANIF EQUAL TO OR GREATER THAN 500 PPMW BY				H NO ASKITIOTIST		
L!			י פוכדו		•	В.	M21ED MY21F	CODE	SUBCATEGORY/CONS	TITUENTS	
	ARA V. L. I		11511	C WASTE	SUBCATEGORY/CONSTITUENTS	Γ	MLI	F001	Spent Halogenated Solv	rents	
\Box	1	\top]	D001	Ignitable Wastes (TOC>10%)			F002	Spent Halogenated Solv	vents	
	\Box	1_	_	D001*	Ignitable Wastes (TOC<10%) Corrosive Wastes			F903	Spent Non-Halogenated Spent Non-Halogenated	Solvents	
X	+	+	-	D002*	Reactive Sulfides based on 261.23(a)(5)	-	4-4-4	F004 F005	Spent Non-Halogenated	Solvents	
-	+	╁	1	D003, D003	Explosives based on 261.23(a) (6).(7).(8)	L	لللل		·		
1-	十	十	1	D003	Unexploded ordinance/explosive	c	HECK REGULAT	TED CONST	ITUENTS FOR LISTED WAS	STES IDENTIFIE	DABOVE
1		I]	D003*	Other Reactive based on 261.23(a)(1)		F001-F005):				
	\Box		_	D003.	Water Reactive based on 261.23(a) (2).(3).(4) Reactive Cyanides based on 261.23(a) (5)	· .			• .4		
	_		-	D003	Arsenic	Ţ.			Acetona Benzena		
	-+	+	\dashv	D004*	Barium		 		n-Butyl alcohol		
	-+	十	1	D006.	Cadmium		+++		Carbon disulfide		
-	-	\top	_	D006.	Cadmium Containing Batteries			-	Carbon tetrachloride	٠,	
		1		D007*	Chromium				Chlorobenzene		•
		+	-	D008.	Lead Lead Acid Batteries	,			o-Cresol m-Cresol		
-		-	\dashv	D008.	High Mercury-Organic		<u> </u>		p-Cresol		
-		ᆉ	-	D009.	High Mercury-Inorganic				Cresol		
-	 	十		D009.	Low Mercury		 		Cyclohexanone	•	
				D008.	Mercury Wastewater				o-Dichlorobenzene		
			_	D010°	Selenium				Ethyl acetale		
\vdash	<u> </u>		-	D011*	Silver Endrin				Ethyl benzene Ethyl ether		
-	┼		\dashv	D012*	Lindane		 	1	Isobutyl aicohol		
-	╁╌		ᅱ	D014*	Methoxychlar			{	Methanol		
F	†			D015°	Toxaphene		 	1	Methylene chloride	*	
	I		_	D016*	2,4-D			1	Methyl ethyl ketone		
<u> </u>	╀-	<u> </u>	\dashv	D017*	2,4,5-TP (Silvex) Benzene			1	Methyl isobutyl ketor Nitrobenzene	ne	
-	╬	-	Н	D018°	Carbon Tetrachloride		 	-{	Pyridine		
h	÷		\vdash	D020*	Chlordane		1-1-1-	-	Tetrachloroethylene		
	T			D021*	Chlorobenzene		1 1 1	1	Toluene		
L	1	<u> </u>		D022°	Chloroform]	1,1,1-Trichloroethan		
⊢		<u> -</u>	!	D023*	o-Cresol m-Cresol			4	1,1,2-Trichloroethan 1,1,2-Trichloro-1,2,2	e arifluoroethane	
-	+	┼	┼┤	D024* D025*	p-Cresol			4	Trichloroethylene	- Illingo: Double	
<u> </u>	╁	╁╴	\vdash	D025	Cresol (total)		1-1-1-	-	Trichloromonofluoro	methane	
r	1	Ĺ		D027*	p-Dichlorobenzene		 	-	Xylenes		
	Ţ	1	!	D028*	1,2-Dichloroethane	•]	2-Nitropropane		
ŀ	-	+	+-	D029*	1,1-Dichloroethylene 2,4-Dinitrotoluene] ,	2-Ethoxyethanol		
Ļ		+	+-	D030°	Heptachlor			7 F006	Electroplating WW	T sludge	
.	┪	+-	+-	D032*	Hexachlorobenzene		 	F035	Wood preserving W	rastewater	
		Ī		-D033*	Hexachlorobutadiene	•	 	F037	Patroleum refinery	primary oil/water	separation slu
	\perp	1	1_	D034*	Hexachloroethane			F038	Petroleum refinery	secondary on wa	ater separation
- }	+	+	 	D035*	Methyl ethyl ketone Nitrobenzene			F039		rate tion float	
-	1	$\frac{1}{1}$		D036*	Pentachlorophenol		1-1-1-	K048			
1	\dashv	+	╁	D038*	Pyridine		<u> </u>	K049			
Ì	\dashv	Ť	1	D039.	Tetrachioroethylene		Does the wa	ste identifie	d by an asterisk (*) contain	any Underlying	Hazardous Co
Ì		I		D040*	Trichloroethylene		per 268.7(a)	(1)?	YES		
į	I	_!_	1	D041°	2.4.5-Trichlorophenol			{ - /-}	TES NO		
ļ			 -	D042*	2,4,6-Trichlorophenol			K)	<u></u>	document*	
ļ		_!_	<u> </u>	D043.	Vinyl chloride		If YES, *atta	ch a comple	eted UTS/UHC form to this		
	c. o	THEF	AW F	STES (for c	odes not listed above)	table below					
ļ		MI	. 1	Enter	waste codes/subcategory, if applicable, in the	ISDIE DEIDW.					
		I		1							
	$\vdash \downarrow$		+	 							
											-

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUEN IS(UHC) FORM

Manifest No: NJA3066831 Electro-Miniatures Corp.

List all constituents on both pages of this document that are present in D001(except for TOC≥ 10%), D002, D003# and D004-D043 waste streams in concentrations above the stated levels. The regulatory levels are in total concentrations, unless noted with an asterick. (# Explosive, water reactive and other reactive only) (WW = Wastewater; NWW = Non-Wastewater). Insert the manifest line identifier (MLI) in the boxed to the left of the constituents. If using this form in association with a profile, place an X in the box next to the approriate constituent(s).

constituent	s. If using this form in association with a pr	onie, piaci	e an A m	THE DOX HEXT	to the appronate constitution.		
MLI		<u>ww</u> 1	1/V/V	MLI	•	<u>ww</u>	NWW
	A2213	0.042	1.4	TTTT	m-Cumenyl methylcarbamate	0.056	1.
	Acenaphthene	0.059	3.4		Cyclohexanone	0.36 0.023	0.75 0.08
1 1 1 1 1	Acenaphthylene	0.059	3.4		o,p*- DDD	0.023	80.0
	Acetone	0.28	160		p.p'- DDD	0.023	80.0
1111	Acetonitrile	5.6	38		o,p'- DDE	0.031	80.0
	Acetophenone	0.01	9.7		p.p'- DDE	0.0039	30.0
	2-Acetylaminofluorene	0.059	140	1-1-1-1-	e.p'-DDT	0.0039	80.0
	Acrolein	0.29	N/A	1-1-1-	p.p'- DDT Dibenz(a,h)anthracene	0.055	8.
	Acrylamide	19	23 84	1111	Dibenz(a,e)pyrene	0.061	N/.
	Acrylonitrile	0.24 0.056	0.28	 	1,2-Dibromo-3-chloropropane	0.11	1
	Aldicarb sulfone		0.25		1,2-Dibromoethane (Ethylene dibromide)	0.028	1
	Aldrin	0.13	N/A	 	Dibromomethane	0.11	1
	4-Aminobiphenyl	0.81	14	 	m-Dichlorobenzene	0.036	ţ
 - - - -	Aniline Anthracene	0.059	3.4	. 	o- Dichlorobenzene	0.088	r
	Aramite	0.36	N/A		p- Dichlorobenzene	0.09	
 - - - -	Barban	0.056	1.4	- 	Dichlorodifluoromethane	0.23	7
1 ! ! !	Bendiocarb	0.056	1.4		1.1- Dichloroethane	0.059	•
1-1-1-	Bendiocarb phenol	0.056	1.4		1,2- Dichloroethane	0.21	
 	Benomyl	0.056	1.4		1,1- Dichloroethylene	0.025	•
 	Benz (a) anthracene	0.059	3.4		trans-1,2- Dichloroethylene	0.054	3
 	Benzal Chloride	0.055	6		2,4- Dichlorophenol	0.044 0.044	1
 	Benzene	0.14	10		2,6- Dichlorophenol	0.72	1
	Benzo (b) fluoranthene	0.11	6.8		2,4-Dichorophenoxyacetic acid (2,4-D)	0.72	•
 	Benzo (k) fluoranthene	0.11	6.8		1,2- Dichloropropane	0.036	1
	Benzo (g,h,i) perylene	0.0055	1.8	1-1-1-1	cis-1,3-Dichloropropylene	0.036	1
	Benzo (a) pyrene	0.061	3.4		trans-1,3-Dichloropropylene Dieldrin	0.017	0.1
	alpha-BHC	0.00014 0.00014		- - - -	Diethyl phthalate	0.2	2
	beta-BHC		0.066	1+++	Diethylene glycol, dicarbamate	0.056	1.
	delta-BHC	0.023			p-Dimethylaminoazobenzene	0.13	N/.
	gamma-BHC (Lindane) Bromodichloromethane	0.35	15	 	2,4-Dimethyl phenol	0.036	1
	Bromomethane (Methyl bromide)	0.11	15	 	Dimethyl phthalate	0.047	2
	4-Bromophenyl phenyl ether	0.055			Dimetilan	0.056	1.
-1-1-	n-Butyl alcohol	5.6			Di-n-butyl phthalate	0.057	2 2.
 	Butyl benzyl phthalate	0.017	28		1,4-Dinitrobenzene	0.32	∠. 1€
	Butvlate	0.042			4,6-Dinitro-o-cresol	0.28 0.12	
	2-sec-Butyl 4,6-dinitrophenol (Dinoseb)	0.066			2,4- Dinitrophenol	0.12	
	Carbaryl	0.006			2,4-Dinitrotoluene	0.55	
	Carbenzadim	0.056			2,6-Dinitrotoluene	0.017	_
	Carbofuran	0.006		1111	Di-n-octyl phthalate	0.4	
	Carbofuran phenol	0.056		 	Di-n-propylnitrosamine	12	
	Carbon disulfide	3.8 0.057		1+++	1,4-Dioxane Diohenvlamine	0.92	
	Carbon tetrachloride	0.037		 	Diphenylnitrosamine	0.92	. 1
	Carbosulfan Chlordane(alpha & gamma)	0.023		- 	1,2- Diphenylhydrazine	0.087	
1111	p-Chloroaniline	0.555		 	Disulfoton	0.017	_
	Chlorobenzene	0.057			Dithiocarbamates (total)	0.028	
1-1-1-	Chlorobenzilate	0.1			Endosulfan I	0.023	
- - - - - - - - - - 	2-Chloro-1,3-butadiene	0.057	0.28		Endosulfan II -	0.029	
- - - - - - - - - - 	Chlorodibromomethane	0.057	15		Endosulfan sulfate	0.029 0.0028	
	Chloroethane	0.27			Endrin	0.025	
	bis-(2-Chloroethoxy)methane	0.036			Endrin aldehyde	0.042	
	bis-(2-Chloroethyl)ether	0.033			EPTC	0.042	_
	2-Chloroethyl vinyl ether	0.062			Ethyl acetate	0.057	
	Chloroform	,0.046			Ethyl penzide (Propagenitrile)	0.24	: 36
	bis-(2-Chloroisopropyl)ether	0.055			Ethyl cyanide (Propanenitrile)	0.12	2 16
111	p-Chloro-m-cresol	0.018		1-1-1-	Ethyl ether Ethyl methacrylate	0.14	4 1€
	Chloromethane (Methyl chloride)	0.19			Ethylene oxide	0.12	2 N/.
	2-Chloronaphthalene	0.055 0.044		 	bis(2-Ethylhexyl) phthalate	0.28	
1111	2-Chlorophenol	0.036		 	Famphur	0.017	
	3-Chloropropylene Chrysene	0.059		 	Fluoranthene	0.068	_
++++	o-Cresol	0.11		 	Fluorene	0.059	
1_1_1_1	4	0.77		1111	Formetanate hydrochloride	0.05	6 1. =voga

UNIVERSAL TREATMENT STANDARDS(UTS)/UNDERLYING HAZARDOUS CONSTITUENTS(UHC) FORM

Generator Name: Electro-Miniatures Cor	'p	M	anifest No:	NJA3066831	Page_2_ of	2_
MLI	<i>w</i> .	NWW	MLI		<u>ww</u>	<i>WW</i>
- Samueles to	0.056	1.4		Physostigmine salicylate	0.056	1
Formparanate Heptachior		0.065		Promecarb	0.056	1
Heptachlor epoxide		0.066		Pronamide	0.093	1
Hexachlorobenzene	0.055	10		Propham	0.056	1
Hexachlorobutadiene	0.055	5.6		Propoxur	0.056	1
hexachlorocyclopentadiene	0.057	2.4		Presulfocarb	0.042	1
Hexachloroethane	0.055	30		Pyrene	0.067	6
Hexachloropropylene	0.035	30		Pyridine	0.014	:
HxCDDs(Ail Hexachlorodibenzo-p-dioxins)	0.000063	0.001		Safrole	0.081	· -
HxCDFs(All Hexachlorodibenzofurans)	0.000063	0.001		Silvex (2,4,5-TP)	0.72	7
Indeno (1,2,3-c,d) pyrene	0.0055			1,2,4,5-Tetrachlorobenzene	0.055	0.01
losomethane	0.19			TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.000063	10.0
Isobutyl alcohol	5.6			TCDFs (All Tetrachlorodibenzofurans)	0.00003	0.0
Isodrin	0.021			1,1,1,2-Tetrachioroethane	0.057	•
Isolan	0.056			1,1,2,2-Tetrachloroethane	0.056	
Isosafrole	0.081			Tetrachloroethylene	0.03	
Kepone	0.0011			2,3,4,6-Tetrachlorophenol	0.019	
Methacrylonitrile	0.24			Thiodicarb	0.056	
Methanol	5.6		1 1 1 1	Thiophanate-methyl	. 0.056	
Methapyrilene Methapyrilene	0.081		 - - - -	Tirpate Toluene	80.0	
Methiocarb	0.038		 	Toxaphene	0.0095	
1 1 Methomyi	0.026		 	Triallate	0.042	•
Methoxychlor	0.28	_		Tribromomethane (Bromoform)	0.63	
Methyl ethyl ketone	0.14		++++	1,2,4-Trichlorobenzene	0.055	
Methyl isobutyl ketone	0.14		 	1.1.1-Trichlorethane	0.054	
Methyl methacrylate Methyl methansulfonate	0.018		 	1,1,2- Trichloroethane	0.054	
Methyl parathion	0.014	-	1 1 1 1	Trichloroethylene	0.054	
3-Methylcholanthrene	0.005		 	Trichloromonofluoromethane	0.02	
4.4-Methylene bis(2-chloroaniline)	0.			2,4,5-Trichlorophenol	0.18	
Methylene chloride	0.08		 	2,4,5-Trichlorophenol	0.035	
Metolicarb	0.05	6 1.4		2,4,5-Trichlorophenoxyacetic acid(2,4,5-T)	0.72	
Mexacarbate	0.05	6 1.4	 	1,2,3-Trichloropropane	0.85	
Molinate	0.04	2 1.4		1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	
Napnthalene	0.05	9 5.6		Triethylamine	0.081	
2-Naphthyiamine	0.5			tris-(2,3-Dibromopropyl) phosphate	0.11	
o-Nitroaniline	0.2			Vernolate	0.042	
p-Nitroaniline	0.02			Vinyl chloride	0.27 0.32	
Nitrobenzene	0.06			Xylene(s)	1.3	
5-Nitro-o-toluidine	0.3			Cyanides (Total)	0.86	
o-Nitrophenol	0.02			Cyanides (Amenable)	. 35	
p-Nitrophenol	0.1			Fluoride**	14	
N-Nitrosodiethylamine	0.			Sulfide	1.9	•
N-Nitrosocimethytamine	0.			Antimony	1:0	
N-Nitroso-di-n-butylamine	0.		1111	Arsenic	1.3	
N-Nitrosomethylethylamine	0.			Barium	3.0	
N-Nitrosomorpholine	0. 0.01	_	- - - - - - - - - - 	Beryllium Cadmium	0.69	9 0.
N-Nitrosopipendine	0.01			Chromium (Total)	2.7	7 0.
N-Nitrosopyrrolidine Oxamvi	0.05		 	Lead ·	0.6	9 0.
Parathion	0.01		 	Mercury (Nonwastewater from Retort)	N/A	
Total PCBs	0.0			Mercury (All others)	0.1	
Pebulate	0.04			Nickel	3.9	_
Pentachlorobenzene	0.05			Selenium	3.0	_
PeCDDs (All Pentachlorodibenzo-p-dioxins)	0.00006		 	Silver	0.4	_
PeCDFs(All Pentachlorodibenzofurans)	0.00003			Thallium	1.	
Pentachloroetnane	0.05	5 6		Vanadium**	4.	
Pentachloronitrobenzene	0.05	5 4.8		Zinc**	2.6	1 4
Pentachlorophenol	0.08			-		
Phenacetin	0.08		• T	CLP Values ** Not t	JHC in characertisti	C WSSIE
Phenanthrene	0.05		Do the w	aste stream(s) identified on the manifest liste	o above or on the a	ittachec
Phenol	0.03			ontain any of the constituents listed on this tab	le in concentrations	•
o-Phenylenediamine	0.03			e regulatory levels?		
Phorale	0.02					
Phthaiic acid	0.05			」YṢ	_ <u>_</u> ,	
Phthalic anhydride	0.0			e (). Meroate: (2012	,
Physostigmine	0.05	6 1.4	Signatur	e (Oate: V	712210	
				<u> </u>		

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE COMPLIANCE AND ENFORCEMENT 1259 ROUTE 46 EAST BUILDING 2 PARSIPPANY, NJ 07054-4191

PHONE: (973) 299-7571

FAX: (973) 299-7576

Certified Mail
Return Receipt Requested

May 12, 2000

Mr. Marvin Wrenn General Manager Electro-Miniatures Corporation 68 West Commercial Avenue Moonachie, NJ 07074

RE: Notice of Violation for RCRA Violations

Dear Mr. Wrenn:

Please find attached a Notice of Violation for the deficiencies noted during the recent RCRA hazardous waste inspection.

Should you have any questions regarding the outstanding violations cited in the attached Notice of Violation, please do not hesitate to contact me at (973) 299-7571.

Very truly yours,

Maria Petix Kent, REHS

Principal Environmental Specialist

Northern Field Office -- Hazardous Waste Section

C: NFO File

J. Sterling, Acting Section Chief

EFO-018 1/94

New Jersey Department of Environmental Protection and Energy Div. of Enforcement Field Operations — Hazardous Waste Section 1259 Route 46, 8ldg. #2, Parsippany, N.J. 07054 973 (201) 299-7592

NOTICE OF VIOLATION

EPA 10 NO. NJD 069 298 602 DATE 5-12-00
NAME OF FACILITY ELECTRO-Miniatures Corp
LOCATION OF FACILITY 68 WEST Commercial Avenue Moonadile ox
NAME OF OPERATOR Mr. Marvin Wrenn, Gonard Mangu
You are hereby NOTIFIED that during my inspection of your facility on the above date, the following
violation(s) of the Solid Waste Management Act. (N.J.S.A. 13:1E-1 et seg.) and Regulations (N.J.A.C.
7:26-set seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of
the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION FAILED to mark the containers of thrackous waste with the winds
Remedial action to correct these violations must be initiated immediately and be completed by
shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures
you have taken to attain compliance. The issuance of this document serves as notice to you that a violation
has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further
administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations
of these regulations are punishable by penalties of \$50,000 per violation.
investigator, Division of Enforcement Field Operations
Department of Environmental Protection & Energy

68 West Commercial Avenue Moonachie, New Jersey 07074

Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Procedure No 000:	
Approved By Mark Pollack	HAZARDOUS MATERIAL PROGRAM IDENTIFICATION, STORAGE CONTROL OF AND DISPOSAL	Revision ORIO	G
Page 1 of 2	CONTROL OF AND DISPOSAL	Date 12/7/	99

1.0 **Scope**

- 1.1 Scope This document establishes Electro Miniatures Corporation (EMC) policy and procedure for the identification, storage, control, and disposal of all hazardous waste material. The procedure shall set forth uniform requirements and enable EMC to comply with Environmental Protection Agency (EPA), as well as local, state and federal, rules and regulations.
- 1.2 Applicability The policy described herein applies to any solid, liquid, or contained gaseous material that:
 - Is considered to be hazardous and listed in the Code of Federal Regulations (40 CFR, part 261) and is no longer usable for any purpose.
 - Is ignitable, corrosive, reactive, or toxic.
- 2.0 Applicable Documents
- 2.1 Title 40 of the Code of Federal Regulation (40 CFR), Parts 260 through 299.
- 3.0 **General**
- 3.1 Responsibility.
- 3.1.1 It is the individual responsibility of each employee involved in the hazardous waste control and disposal process to understand the policies for which these procedures are based, and the meaning / intent of the procedures themselves.
- 3.1.2 It is the responsibility for the EMC Quality Manager to forward the policies and procedures, and any change thereof, to the individuals involved with the hazardous waste control and disposal process.
- 3.2 Definitions.

68 West Commercial Avenue Moonachie, New Jersey 07074

Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Proced	dure No. 0003
Approved By Mark Pollack	HAZARDOUS MATERIAL PROGRAM IDENTIFICATION, STORAGE	Revisi	on ORIG
Page 2 of 2	CONTROL OF AND DISPOSAL		12/7/99

- 3.2.1 Hazardous waste Any solid, liquid, or contained gaseous material that is no longer usable and is listed in 40CFR, part 261, or is:
 - Ignitable Can catch fire under certain conditions.
 - Corrosive Has a very high or low pH.
 - Reactive Is unstable and explodes or produces toxic fumes, gases, and vapors when mixed with water or under other conditions such as heat and pressure.
 - Toxic Is harmful or fatal when ingested or absorbed, or it leaches toxic chemicals into the ground water or soil when disposed on land.
- 3.2.2 CESQGs Conditionally exempt small quantity generator which generates less that 220 pounds per month.
- 3.2.1 EPA Identification number An EPA issued 12 character number used to monitor and track hazardous waste activities sent off site.
- 4.0 Policy
- 4.1 Identification of hazardous waste.
- 4.1.1 All solids, liquids or contained gases materials that are no longer usable or spent must be reviewed to determine whether or not they are hazardous. If considered hazardous, label the material / container with the words "HAZARDOUS WASTE" and the date the waste was generated then safely store as described herein.
- 4.1.1.1 Spent commercial chemical product Review the MSDS and 40 CFR part 261 list.
- 4.1.1.2 By product -
- 4.2 Control of hazardous waste.
- 4.3 Storage of hazardous waste.
- 4.4 Disposal of hazardous waste

68 West Commercial Avenue Moonachie, New Jersey 07074

Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Procedure No. 0002	
Approved By Mark Pollack	INDUSTRIAL PRETREATEMENT PROGRAM	Revision ORIG	
Page 1 of 6	WASTEWATER DISCHARGE	Date 12/2/99	

1.0 Scope

- 1.1 Scope. This document establishes Electro Miniatures Corporation (EMC) policy and procedure for the direct and indirect discharge of wastewater to the Bergen County Utilities Authority Treatment Works, hereafter known as the BCUA. The procedure shall set forth uniform requirements and enable EMC to comply with all permit requirements, as well as all local, state and federal regulations, including the Clean Water Act.
- 1.2 Applicability. The policy described herein applies to the discharge of all industrial wastewater (effluent) into the BCUA treatment works.

2.0 Applicable Documents

- 2.1 Permit Number YY-0065. Industrial Wastewater Discharge Permit.
- 2.2 Rules and Regulations for the Direct and Indirect Discharge of Wastewater to the Bergen County Utilities Treatment Authority Works.
- 2.3 40 Code of Federal Regulations part 403: General Pretreatment Regulations.
- 2.4 40 Code of Federal regulations part 261: Hazardous Waste Reporting.

3.0 General

- 3.1 Responsibility. It is the individual responsibility of each employee involved in the wastewater discharge process to understand the policies for which these procedures are based, and the meaning / intent of the procedures themselves.
- 3.2 It is the responsibility for the EMC Quality Manager to forward the policies and procedures, and any change thereof, to the individuals involved with the wastewater discharge process.

4.0 **Policy**

4.1 Organization.

S:\Quality Records\POLICIES & PROCEDURES\EMC OPERATION\EPA - BCUA - DEP-OSHA\Wastewater Discharge Procedure.doc

68 West Commercial Avenue Moonachie, New Jersey 07074

Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Procedure No. 0002
Approved By Mark Pollack	INDUSTRIAL PRETREATEMENT PROGRAM WASTEWATER DISCHARGE	Revision ORIG
Page 2 of 6		Date 12/2/99

- 4.1.1 Quality Manager Shall serve as the EMC Industrial Pretreatment Program (IPP) Coordinator and duly authorized representative. The Quality Manager will coordinate, and oversee, all operations related to the industrial wastewater discharge process. The following are activities managed.
- 4.1.1.1 Review and process the draft BCUA issued discharge permit for final issuance.
- 4.1.1.2 Serve as the authorized company representative and point of contact to the BCUA. The point of contact will interface with BCUA officials, compliance officers and field representatives. Interface activities include, but not limited to, discharge reports, sample grabs, inspections, audits, notice of violations, change of regulations, or other related items.
- 4.1.1.3 Complete and submit the required monitoring reports, as described in the BCUA issued permit. Monitoring reports are:
 - Self-Monitoring Monthly Reports.
 - NJDEP Certified monitored biannual reports.
- 4.1.1.4 Maintain records of all monitoring activities for a period of 5 years minimum.
- 4.1.1.5 Assure compliance is maintained throughout the process.
- 4.1.1.6 Assist with the (emergency) response in the event of a spill, non-compliant or accidental discharges, or any non-routine discharge.
- 4.1.1.7 Forward any policy and procedures to the personnel involved.
- 4.1.1.8 Verify (By delegation if needed) the discharge parameters when scheduled / requested.
- 4.1.2 Production Manager Shall oversee and manage the process / personnel which generate the industrial wastewater.
- 4.1.2.1 Coordinate discharge frequency with process technicians.
- 4.1.2.2 Coordinate technical resource as needed (Adjustments, safety, etc).

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Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Procedure No. 0002	
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Page 3 of 6	WASTEWATER DISCHARGE	Date 12/2/99	

- 4.1.2.3 Assist with monitoring schedules.
- 4.1.3 Process Technician(s) (Production Operator(s)) Shall operate the wastewater discharge process as part of, and concurrent with, the associated (electroplating) processes.
- 4.1.3.1 Based on the frequency agreed upon (Frequency is based on historical data and the frequency of the associated (electroplating) processes), the technician shall initiate the following characteristics of the discharge process, as applicable:
 - Process wastewater for discharge
 - Initiate applicable documentation (Chain of Custody's and log forms).
 - Schedule monitoring activities

NOTE: The frequency shall be set so that the wastewater will meet all limits as detailed in the BCUA permit. The frequency may vary.

- 4.1.3.2 Inform responsible personnel of any spills, accidents, non-compliances or non-routine discharges.
- 4.1.4 Monitoring Techs (Quality representatives) Shall monitor the wastewater discharge process for accuracy, compliance, maintenance and completeness.
- 4.1.4.1 Complete the associated documentation, where required.
- 4.2 Routine wastewater discharge sequence.
- 4.2.1 When the industrial wastewater is due for discharge, the operator (Process operator or EMC authorized delegate) shall pump the wastewater into the holding tank located in the plating room.
- 4.2.2 The operator shall then check the effluent for discharge by checking the pH level.
- 4.2.2.1 The operator will turn on the motorized agitator and agitate the effluent for a minimum of 5 minutes.

68 West Commercial Avenue Moonachie, New Jersey 07074

Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Procedu	re No. 0002
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Page 4 of 6	WASTEWATER DISCHARGE	Date '	12/2/99

- 4.2.2.2 Using issued pH test equipment, the operator will measure the pH level and record on the Wastewater Discharge Log Form (See Attachment A). If the pH is within 5.5 to 9.5, no adjustment is necessary and proceed to 4.2.2.4.
- 4.2.2.3 If the pH measurement is not within the 5.5 to 9.5 range, the operator must adjust accordingly until the pH is within the range.
- 4.2.2.3.1 If the pH is below 5.5, adjust using sodium hydroxide (NAOH).
- 4.2.2.3.2 If the pH is above 9.5, adjust using sulfuric acid.
- 4.2.2.4 Schedule with the responsible Quality technician to verify that the effluent is neutralized to specification.
- 4.2.2.5 The Quality technician shall verify the
 - PH level is within 5.5 to 9.5 using a calibrated pH meter.
 - The flow meter reading number matches the last recorded flow meter reading.
- 4.2.2.6 When the pH level is verified, the Quality technician shall show proof of acceptance on the log form. The wastewater is authorized for discharge.
 - *** Go to section 4.3.2 if the discharge is for biannual monitoring***
- 4.2.2.7 Discharge the wastewater. Record the flow meter reading after the discharge is complete.
- 4.3 Biannual wastewater discharge.

Note: The biannual sample is usually directed by the Quality Manager. The process must be coordinated with Purchasing and an NJDEP Certified outside analytical laboratory. Time restrictions for analysis are required by law. See below for details.

4.3.1 Conduct operations 4.2.1 through 4.2.2.6. DO NOT DISCHARGE THE

68 West Commercial Avenue Moonachie, New Jersey 07074

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EFFLUENT.

- 4.3.2 When the Quality representative verified the effluent has been neutralized to within requirements, samples shall be "grabbed" for analysis.
- 4.3.2.1 Grab the required samples. The process operator shall initiate a <u>Chain of Custody</u> for the grabbed samples. See attachment B for a sample Chain of Custody form. Unless otherwise directed, the operator shall record the following information on the form.
 - Client Sample Identification.
 - Analysis required.
 - The date and time sampled.
 - Sample type ("GRAB").
 - Station Location ("PLATE ROOM")
 - No. of Containers ("1 BOTTLE")
 - Method of Shipment (HAND CARRIED")
 - Sampler's Signature (Sign Name)
 - Relinquish By (Sign name, then record date and time when transferring the bottles to the carrier.)
- 4.3.2.2 From the time of the initial SAMPLE GRAB, there is a **2 hour** time limit for pH analysis by an NJDEP certified laboratory. Any transfer for samples to a different individual must have the RELINQUISHED and RECEIVED (with signatures, dates and times) recorded on the chain of custody form.
- 4.3.2..3 Analytical Laboratory drop off. Because of the time limit imposed by law, EMC will hand carry the samples to the assigned analytical lab. The carrier must have the receiving representative sign the chain of custody form and the packing list. Typically, the analytical laboratory will have its own chain of custody. If so, retain both copies for reporting purposes.
- 4.3.3 After the grab is complete, the process operator is authorized to discharge the effluent.
- 4.4 Reporting Guidelines.
 (Reporting requirements may change. Requirements are set forth in the BCUA issued permit.)

S:\Quality Records\POLICIES & PROCEDURES\EMC OPERATION\EPA - BCUA - DEP-OSHA\Wastewater Discharge Procedure.doc

68 West Commercial Avenue Moonachie, New Jersey 07074

Prepared By: Kenneth McCue	OPERATING POLICY & PROCEDURE	Procedure No. 0002	
Approved By Mark Pollack	INDUSTRIAL PRETREATEMENT PROGRAM	Revision ORIG	
Page 6 of 6	WASTEWATER DISCHARGE	Date 12/2/99	

- 4.4.1 Monthly Self / Biannual Monitoring (Due the 14th of the following month).
- 4.4.1.1 The Quality Manager, or delegated IPP Coordinator, shall complete the BCUA supplied self / biannual monitoring report and submit as directed on the permit. See attachment C for a sample BCUA self monitoring form.



Refining Settlement Report

August 2, 1999

Electro-Miniatures Corp. 68 West Commercial Avenue Moonachie, NJ 07074

Description: PO # 3499

105.5 gls silver solution containing.....

At 95% Return =

290.72 Troy Oz. Silver

276.18 Troy Oz. Silver

Credit Account For Silver:

Amount Troy Oz. \$1,489.99

Refining Charges (105.5 gls \times \$9.00)

\$949.50

Total Credit Due:

S540.49

Reference # R-800721 Customer # 101052

COLUTIONS AND FOUIPMENT



CORPORATE OFFICES:

1 SPECTACLE STREET CRANSTON, RI 02910

(401) 781-6100 • FAX: (401) 781-2890 P.O. BOX 9650, PROVIDENCE, RI 02940-9650

FEDERAL ID# 05-0243761 PROVIDENCE, RI

REMIT TO:

TECHNIC, INC.

60 BOX 3620

02940-9650

+17+

ELECTRO-MINIATURES CORP. NUC () () 1949 68 W. COMMERCIAL QUENTE 68 W. COMMERCIAL AVENUE MOUNACHIE, NJ 07074

SHIP TO

ELECTRO-MINIATURES CORP. 68 W. COMMERCIAL AVENUE MODNACHIE, NJ 07074

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STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

Hazardous Waste Manifest Section 235 Promenade Street, Providence, RI 02908

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175 BARTOW MUN. AIRPORT BARTOW, FL 33830 PHONE:(941) 533-4599 FAX:(941) 533-1613 108 MONAHAN AVENUE DUNMORE, PA 18512 PHONE:(570) 342-7232 FAX:(570) 342-7367

N AVENUE 350 PIGEON POINT ROAD NEW CASTLE, DE 19720 PHONE:(302) 658-2005 FAX:(302) 658-6229

(732) 402-1001 • FAX (732) 308-0924

156 DRIFTWOOD DRIVE EUTAWVILLE, SC.29048 PHONE/FAX:(803) 492-9595 FCI EPA ID NO.: NJD054126164

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Blue - FCI Office/Customer

Green - Retained by TSDF Gold - Retained by Generator A0440326 ME.

J39692



68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074 (201) 460-0510 FAX # (201) 935-8153

ro

FREEHOLD CARTAGE INC. P.O. BOX 5010 825 RT 33 FREEHOLD, NJ 07728

RON

732-462-1001

732-308-0924

PURCHASE ORDER

No. H3492

DATE: 6/10/99

The above order number must appear on all invoices, packing slips and correspondence.

Ship to above address unless otherwise indicated.

PLEASE ENTER OUR ORDER FOR THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE INSTRUCTIONS, TERMS AND CONDITIONS AS SHOWN ON THE FACE AND REVERSE SIDE

SHIP TO:	F.O.B.	SHIP VIA:		DELIVERY REQUIRE	D: TERMS:
SEE BELOW	-				NET 30
		PREPAID	COLLECT	7	
GOVERNMENT CONT	RACT NO.		INSPECTION:	AUTOMATIC GOVERNMEN	IT SOURCE
	پ			GOVERNMEN	IT SOURCE
CERTIFIED UNDER D	M.S. REGULATION	NC		DE	STINATION

ITEM	QTY.	OUR PART NO.		DESCRIPTION	UNIT PRICE	EXTENSION
1	1 LOT	645		TRANSPORTATION SERVICES FREE TIME LOADING	\$250.000	\$250.00
	1		<i>:</i> '	1 HR	\$45.000	\$45.00
				FREE TIME UNLOADING		
	1			1 HR	\$45.000	\$45.00
			TRANSPORTATION	OF SPENT CYANIDE PLATING BATH SOLUTIONS		
		4 V)	RQ WASTE CYANID	SCLUTION NO POTASSIUM CYANIDE METALLIC MIXTURE 6.1		
	870	المن المال	UN 1935 II	F007, D003, D011 ERG #157		
	8/11		PICK UP	ELECTRO-MINIATURES CORP. 68 W. COMMERCIAL AVE.		
l				MOONACHIE, NJ 07074 1-201-460-0510		
			DELIVER	TECHNIC INC. 1 SPECTACLE ST.		
				CRANSTON, RI 02910		
1				1-401-781-6100 REFER FREEHOLD QUOTE #24305.00		
	·					
			<u>‡</u>		Total Price	\$340.00

Certificate of Compliance Required

Certificate proving compliance to the requirements of applicable Drawings and/or specifications is to be supplied with each shipment of material on this order in triplicate. Appropriate test reports and/or certificates to be on file for buyer's review and verification on request. Invoices will not be honored unless Certificate of Compliance is received.

If promised Shipping Date cannot be met, notify buyer by wire or telephone at once, advising new Shipping Date.

ELECTRO-MINIATURES CORP.

BY MU

Originating Buyer

Purchasing Manager



1-401-781-6100

Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074 (201) 460-9510 FAX # (201) 935-8153

TECHNICS INC.

1 SPECTACLE STREET

CRANSTON, RI 02910

PURCHASE ORDER

No. H 3499

DATE: _____06/14/99

The above order number must appear on all Invoices, packing slips and correspondence.

Ship to above address unless otherwise indicated.

11131	TRUCTIONS, TERMS AND CON	O R THE FOLLOWING MATERIA DITIONS AS SHOWN ON THE FA	L IN ACCORDANCE WITH THE CE AND REVERSE SIDE HEREO	c
SHIP TO:	F.O.B.		DELIVERY REQUIRED N/A	TERMS N/A
	<u> </u>	PREPAID COLLECT		

GOVERNMENT CONTRACT NO: _____

INSPECTION: AUTOMATIC GOVERNMENT SOURCE GOVERNMENT SOURCE

CEXIII	-IED UNDER D	D.M.S. REGULATION	INO.	DESTINATION	
ITEM		OUR PART NO.	DESCRIPTION		
1	105 ½ GALLONS	645	REFINING OF SPENT CYANIDE PLATING BATH SOLUTIONS NOS (POTASSIUM CYANIDE METALLIC MIXTURE)	UNIT PRICE	EXTENSION
			3 DRUMS – 31 ½ GALLONS SILVER STRIKE 0.32 TR OZ/ GAL 41 GALLONS SILVER E2 3.73 TR OZ/GAL 33 GALLONS ILVER E2 3.87 TR OZ/GAL		
			95% RETURN OF AGR & ED ASSAY CHARGES 3.00/PER GALLON RETURNED \$316.50 6.00/PER GALLON DISPOSAL \$633.00 \$949.50		
	·		31.5 X .32 = 10.08 TROY OZ 41 X 3.73 = 152.93 TROY OZ 33 X 3.87 = 127.71 TROY OZ 290.72 X APPROX \$4.92		
			FREEHOLD CARTAGE WILL BE TRANSPORTING MATERIAL		
				Prop	1430.35 REB 949.50 COS 480.85 REB
	Camificants			Total Price	\$ 0.00

YES Certificate of Compliance Required NOL

Certificate proving compliance to the requirements of applicable Drawings and/or specifications is to be supplied with each shipment of material on this order in triplicate. Appropriate test reports and/or certificates to be on file for buyer's review and verification on request. Invoices will not be honored unless Certificate of Compliance is received.

If promised Shipping Date cannot be met, notify hover by

ELECTRO-MINIATURES CORP

11-16/

Originating Buyer

Durchasina Manacar

HAZARDOUS WASTE

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL.

IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

•		
GENERATOR INFORMATION: NAME Flectro-Miniature	1	
NAME Electro-Winvature	S COTP.	
ADDRESS 68 W. Commercial Ho	LE PHONE 2	01-460-0510
CITY Moonachie		
EPA /MANIFEST ID NO. NJ DO 5412	6164	RIH000469
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RO Waste Cyanide Solution n.o.s. (Potessium Cyanide Metallic Mixture) 6.1 UN 1935 II (FOOT DOOS DOI). ERG#157 D.O.T. PROPER SHIPPING NAME AND UN'OR NA NO. WITH PREFIX

HANDLE WITH CARE!

STYLE WM6

Printed by Labelmaster, An American Labelmark Co., Chicago, IL 60646 (800) 621-5808



1 SPECTACLE STREET CRANSTON, RI 02910 FAX NO. 401 781-2890 TEL NO. 401 781-6100

FAX TRANSMISSION

DATE:	5/2//99			
TO: ELE.	MINIATURES/DARYL	FAX N	O. 201 935 8153	
FROM:	AYNE GANIM	NUMB	ER OF PAGES	cover
MESSAGE:				
In ans. to y	our fax:		•	×
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Poo. # H3492 Manifest # RIH0004897

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P8292

TOTAL P.01



Post Office Box 9650, Providence, Rhode Island 02940-9650 Tel: 401-781-8100 FAX: 401-781-2890

To: Jamie

4/21/99 (201) 935-8153

From: Eileen CEAR

Here are the results of the Somples of Lilver Johnson I Took,

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- Seen

P8-192

Office: (201) 641-2552 Plant: (201) 641-2555 Fax: (201) 641-640T



BERGEN COUNTY UTILITIES AUTHORITY

Box 9. Fool of Menrhol Road, Little Ferry, New Jersey 07643

May 22, 1996

Mr. Kenneth McCue Electro-Miniatures Corp. 68 West Moonachie Avenue Moonachie, New Jersey 07074

RE: Industrial Pretreatment Program

Dear Mr. McCue:

We acknowledge receipt of your letter dated May 15, 1996, whereby you agreed to pay the Civil Administrative Penalty in the amount of \$1,000.00 for your copper violation and request that the administrative cost of \$500.00 be waived.

Please be advised that we have granted your request to waive the administrative cost. Payment in the amount of \$1,000.00 is due to the BCUA within twenty (20) days of receipt hereof. A revised payment invoice and self addressed envelope are enclosed for your convenience.

If there are any questions, please do not hesitate to contact Mr. Mikhail Zarrin, Environmental Specialist, at (201) 807-8637.

Very truly yours,

BERGEN COUNTY UTILITIES AUTHORITY

IPP Coordinator

cc: Mikhail Zarrin, Environmental Specialist



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE . MOONACHIE, NEW JERSEY 07074 (201) 460-0510 TELETYPE(TWX)710-989-0135

FAX # (201) 935-8153

May 15, 1996 Bergen County Utilities Authority Box 122, Foot of Mehrhof Road Little Ferry New Jersey 07643

Attn:

Christine La Rocca

Re:

IPP Notice of Violation

Industrial Wastewater Discharge of March 14, 1996

Subj: Notice of Civil Administrative Penalty

Electro Miniatures Corporation appreciates the visit to our facility to discuss the referenced IPP-NOV and associated penalties. EMC is in receipt of the Notice of Civil Administrative Penalty dated May 2, 1996. The assessed penalty is from the March 14, 1996 wastewater analysis exceeding the Copper limitation. Based on review of the subject notice and discussions during our May 8, 1996 meeting, EMC advises as follows:

Item 01 - Assessment of the minimum mandatory penalty will not be contested, therefore no administrative hearing is required. EMC requests waiver of the additional administrative costs as a concession.

Item 02 - Beginning in the month of May 1996, additional monthly monitoring, in accordance with the requirements described in the IPP-NOV, shall be conducted by Electro Miniatures Corporation.

Item 03 - Corrective actions to assure compliance to permit limitations are being evaluated and incorporated.

Again, I would like to thank yourself, and Mr. Zarrin, for your cooperation and efforts regarding this matter. If you, or any of your associates, have any comments, please contact me directly at (201) 460-0510.

Kenneth McCue Quality Manager

Electro Miniatures Corporation

Mark Pollack, EMC President CC:

Office: (201) 641-2552 Plant: (201) 641-2555 Fax: (201) 641-6407



BOX 122, FOOL Of Mehrhol Road, Little Ferry, New Jarsey 07843

TELECOPIER TRANSMITTAL FORM ENGINEERING DEPARTMENT FAX MACHINE (201) 807-0507

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BERGEN COUNTY UTILITIES AUTHORITY

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P.T.O.

CERTIFIED MAIL R.R.R. Z 403 702 365

Office: (201) 64% Ut. Plant: (201) 64% Ut.: Pac: (201) 64% or:



BERGEN COUNTY UTILITIES AUTHORITY

Dor 121 Fool of bistrito: Acad Little Fem. New Jersey 67:343

May 2, 1996

Mr. Kenneth Mc Cue Electro-Miniatures Corp. 68 West Moonachie Avenue Moonachie, NJ 07074

> RE: Notice of Civil Administrative Penalty Date of Violation: March 1996

Dear Mr. Mc Cue:

Recent monitoring conducted by the Authority reveals that your industrial wastewater discharge is in violation of the <u>Rules and Regulations for the Direct and Indirect Discharge of Wastewater to the Bergen County Utilities Authority Treatment Works</u> and <u>General Pretreatment Regulations (40 CFR. Part 403)</u>. Specifically, your discharge exceeded the local discharge limit for Copper. In addition, we have reviewed your response to the Notice of Violation.

Your exceedance for Copper as a daily maximum pollutant concentration is more than 20% of the respective limitation based on a monthly average of all daily maximum test results. Therefore, in accordance with the Clean Water Enforcement Act (N.J.A.C. 7:14-8.2) the violation is considered a "serious violation". Be advised that each "serious violation" is assessed a minimum mandatory penalty in an amount not less than \$1,000.00 and two (2) "serious violations" within a six (6) month period is considered Significant Non-Compliance mandating a penalty not less than \$5,000.00 (See N.J.A.C. 7:14-8.5[a]).

Based upon the results of the aforementioned discharge monitoring analysis, the Bergen County Utilities Authority ("BCUA") hereby assesses a civil administrative penalty to Electro-Miniatures Corp. in the amount of \$1,000.00 as a result of the above-listed violation. Additionally, administrative costs in the amount of \$500.00 are likewise assessed so as to compensate BCUA for investigative expenses incurred in the matter. Payment in the total amount of \$1,500.00 is due to the BCUA, Attention: Christine La Rocca, within twenty (20) days of your receipt hereof. A payment invoice and self-addressed envelope is also enclosed for your convenience.

Please be further advised that pursuant to N.J.S.A. 58:10A-10.5, you have the right to file a written request for an administrative hearing contesting the assessment of the aforementioned penalties/investigative expense. Such request(s) for an administrative hearing must be served and filed with the BCUA no later than (twenty) 20 days of your receipt hereof.

Requirements for properly requesting a hearing, including the submission of an affirmative defense and financial assurance, are enclosed. Upon proper request, the penalty and/or assessment shall be deemed a contested case, and shall be submitted to the Office of Administrative Law, for an administrative hearing pursuant to N.J.S.A. 52:14B-9.10.

Any violator who is assessed a civil administrative penalty and fails to contest or pay the penalty within thirty (30) days of the date that the penalties due and owing shall be subject to an interest charge on the amount of the assessment and may be assessed additional civil penalties not to exceed \$50,000.00 per day pursuant to "The Penalties Enforcement Law" N.J.S.A. 2A-58-1 et. seq.

Lastly, the Authority will be conducting repeat sampling of your discharge to verify compliance. However, please be advised that future sampling results in compliance with your Copper permit limitation do not relieve Electro-Miniatures Corp. from the additional reporting requirements or the minimum mandatory penalty. Consequently, you must commence in the month of May 1996 monthly monitoring in accordance with the requirements outlined in the Notice of Violation of April 15, 1996.

If there are any questions, please do not hesitate to contact Mr. Mikhail Zarrin of my staff at (201) 807-8637.

So Directed By:

IPP Coordinator

CL:rd Encl.

cc: Mikhail Zarrin, Environmental Health Specialist



68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074 (201) 460-0510 TELETYPE(TWX)710-989-0135

FAX # (201) 935-8153

April 22, 1996

Bergen County Utilities Authority Box 122, Foot of Mehrhof Road Little Ferry New Jersey 07643

Attn: Christine La Rocca
Re: IPP Notice of Violation

Industrial Wastewater Discharge of March 14, 1996

Work Order # 71383: IPP Analysis Report

Subj: Response to IPP NOV

Electro Miniatures Corporation is in receipt of the Industrial Pretreatment Program (IPP) Notice of Violation (NOV) for the March 14, 1996 Industrial Wastewater Discharge. The notice of violation indicates copper monitoring exceeds local discharge limits set forth in the Rules and Regulations for the Direct and Indirect Discharge of Wastewater to the BCUA Treatment Works and General Pretreatment Regulations (40 CFR, Part 403).

Work Order # 71383 Copper analysis is 4.69 mg/l and exceeds permit # 0065 limitations of 1 mg/l daily maximum in excess of 20%. Based on analysis by the BCUA, EMC's violation is considered a "serious violation" and may be assessed a minimum fine of \$1,000.

Electro Miniatures Corporation has monitored, and consistently complied with, its industrial wastewater discharge in accordance with BCUA permits since 1986. Monitoring consists of daily, monthly and biannual analysis prior to discharge. Additionally, EMC has cooperated, and complied with, the biannual unannounced audits and wastewater discharge sampling conducted by the Authority.

Response

Electro Miniatures Corporation has reviewed of the analysis in WO # 71383, inhouse manufacturing processes and EMC's IPP wastewater discharge monitoring processes and advises as follows:

Item 01 - Copper analysis within the referenced work order is not consistent with past analysis results. Analysis indicates a change of 500%, minimum, versus past analysis results.

Item 02 - EMC does not plate copper onto any product.

Item 03 - Type of product being manufactured has not changed.

Item 04 - Manufacturing processes, as related to plate room or IPP wastewater discharge, have not changed.

Item 05 - Processes and techniques for monitor and pretreatment the industrial wastewater discharges have not changed.

Based on past analysis results for copper concentration, and findings item 01 through item 05, Electro Miniatures Corporation requests the Authority conduct a second analysis for copper concentration prior to any Civil Administrative Actions. Lastly, EMC requests waiver of the additional reporting requirements until the second copper analysis confirms the original conditions.

Please review the response provided by EMC and advise accordingly. Concurrently, further in-house investigation will be conducted to determine the cause(s) and corrective action(s) for the violation. If any additional information is found, EMC will notify the BCUA immediately. If there are any questions, please contact me directly at (201) 460-0510.

Sincerely

Kenneth McCue

Quality Manager

Electro Miniatures Corporation

cc: Mark Pollack, EMC President

CERTIFIED MAIL R.R.R. Z 403 702 353

Office: (201) 641-2562 Plant: (201) 841-2535 Fax: (201) 641-640



BERGEN COUNTY UTILITIES AUTHORITY

Box 122, Foot of Mehrhol Boad, Little Ferry, New Jersey 07843

April 15, 1996

Mr. Kenneth Mc Cue Electro-Miniatures Corp. 68 West Moonachie Avenue Moonachie, NJ 07074

RE: Industrial Pretreatment Program (IPP)
Notice of Violation (NOV)
Industrial Wastewater Discharge of
March 14, 1996

Dear Mr. Mc Cue:

Recent monitoring conducted by the Authority reveals that your industrial wastewater discharge is in violation of the Rules and Regulations for the Direct and Indirect Discharge of Wastewater to the Bergen County Utilities Authority Treatment Works and General Pretreatment Regulations (40 CFR, Part 403). Specifically, your discharge exceeded the local discharge limit for Copper. A copy of Standard Work Order #71383 received by this office on April 15, 1996 is enclosed for your reference.

Your exceedance for Copper as a daily maximum pollutant concentration is more than 20% of the respective limitation. Therefore, in accordance with the Clean Water Enforcement Act (N.J.A.C. 7:14-8.2) the violation is considered a "serious violation". Be advised that each "serious violation" is assessed a minimum mandatory penalty in an amount not less than \$1,000 and two (2) "serious violations" within a six (6) month period is considered Significant Non-Compliance mandating a penalty not less than \$5,000 (See N.J.A.C. 7:14-8.5[a]).

Please be advised a violation of any rule, regulation or pretreatment standard may be subject to a Civil Administrative Penalty not to exceed \$50,000 per day for each violation. Your actual assessment will be in accordance with the penalty matrix contained in the BCUA Rules and Regulations based upon the seriousness of the violation and your conduct. Your conduct will be determined based upon our review of your explanation of the cause of the violations cited and your plan for prevention of future violations which must be submitted to this office within ten (10) days of receipt of this notice.

Lastly, because you have violated a condition of your Industrial Wastewater Discharge Permit, and the BCUA's Rules and Regulations, relative to the discharge of pollutants, additional monitoring and reporting is necessary. Accordingly, you must commence in the month of April 1996 monthly monitoring and reporting to demonstrate compliance with the Copper limitations. The additional reporting requirements shall be lifted if there are no Copper violations for six (6) consecutive months, indicating that your corrective actions will ensure long-term compliance.

If there are any questions, please do not hesitate to contact Mr. Mikhail Zarrin of my staff at (201) 807-8637.

Very truly yours,

BERGEN COUNTY UTILITIES AUTHORITY

CHRISTINE LA ROCCA

IPP Coordinator

CLd Encl.

cc: Mikhail Zarrin, Environmental Health Specialist

BERGEN COUNTY UTILITIES AUTHORITY

☐ Priority ☐ Routine

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CHLORIDE			O-PHOSPHATE				1870	21
FLUORIDE			POLY-PHOSPHATE			IRON (Fe) [] LEAD (Pb)	442	7/1
NITROGEN (PPM)	Result	Initials	OTHERS (PPM)	Result	hitials	!	-74	4
19 T.KN	5.8	WF	TOTAL SULFIDE	7100041	I II UAIIS	MAGNESIUM (Mg)		
1 AMMONIA-N	4.2	WF	DISSOLVED SULFIDE			MANGANESE (Mn)	720	- 00
ORGANIC-N			SULFATE	***			0.30	0
NITRATE			MEAS.			MOLYBOENUM (Mo)		7
NITRITE			CONDUCTIVITY (LIMHO)	······		MICKEL (NI)	250	4
OXYGEN DEMAND (PPM)	Result	Initials	MICROTOX (15 Min EC 50		Tol	POTASSIUM (K)		
□ 800	· 4	Mo		/ %	Jen -	SELENIUM (Se)		
		100	SULFIDE AS H ₂ S			(Ag)	<u> 30</u> .	AN
	11 22		STAND. PLATE COUNT			SODIUM (Na)		1
Toc Toc	11,77	(D)	GCMS ORGANICS (PPB)	Result	initals	THALLIUM (TI)		
TOXIC NON-METAL (PPM)	Result	Initials	D 624	See	(iv)	VANABIUM (V)		
CYANIDE	2.02	Dhi	12 625	Attached	20	ZINC (Zn)	440	
PHENOL	<u>£,005</u>	M	☐ 608	Report				//
OIL & CREASE (PPM)	Result	Initials	OUTSIDE ANALYSIS	Result	Initials	FLASHPOINT	212	(3)
TOTAL	36.7	Jeh	T.T.O.(624,625,608)	See	-			7
PETROLEUM HYDROCARBON	€2	low	BIOASSAY	Attached				
		///	□ pH	Report				
* Dissolved								

P.T.O.



Electro-Miniatures Corp. PAGE

ISSUE: ORIGINAL DATE: 4/8/87

PROCEDURE NO. SFT 001

68 WEST COMMERCIAL AVENUE . MOONACHIE, NEW JERSEY 07074 (201) 460-0510 TELETYPE (TWX) 710-989-0135

WRITTEN HAZARD COMMUNICATION PROGRAM 29 CFR 1910.1200 (e)

AUTHORIZED BY: Mark Pollack, President

PREPARED BY: John Arch, General Manager

Chuck Phipps, Quality Control Manager

Frank Sehr, Plant Manager

Michael Pinto, Material Control Manager

1.0 SCOPE AND INTENT:

1.1 The following Written Hazard Communication Program has been established and implemented at Electro-Miniatures Corp. The intent of this program is to provide a safe and healthful workplace through employee awareness.

1.2, This program will be available for review by all employees via the General Manager, Quality Control Manager, or the Union Shop Stewart.

2.0 PURCHASING AND MATERIAL CONTROLS:

2.1 All purchase orders issued by Electro-Miniatures Corp. for products that will ultimately be used in the workplace shall bear the following:

> "Please furnish M.S.D.S., and warning labels applicable to this order."

- 2.1.1In the event material safety Data Sheets do not apply to a particular procurement, the purchasing agent shall request a certified statement to that effect.
- 2.2 Upon receipt of products procured, the material control manager shall inform the quality control department, via the receiving ticket, if the M.S.D.S. had been received with the shipment.
- 2.2.1 The product will be forwarded to the quality control department where it will be inspected to EMC procedure criteria.
- 2.2.2If the M.S.D.S. is not attached to the receiving ticket and a notation on the ticket states: "M.S.D.S. not received", the inspecto shall hold the product "suspect" until the product safety Data is acquired.



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(201) 460-0510

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TELETYPE (TWX) 710-989-0135

3.0 HAZARD DETERMINATION (1910.1200(d):

3.1 The quality control manager shall be responsible for evaluating hazardous products by reviewing the vendor "material safety Data Sheets".

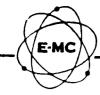
- 3.1.1M.S.D.S.'s shall be maintained and kept on file in the quality control area.
- 3.1.2M.S.D.S.'s shall be accessible for review upon requests from employees, OSHA, NIOSH, or authorities of contractual concern.
- 3.2 The quality control manager shall update and/or revise product hazard determination as required to assure proper communication.

4.0 HAZARD COMMUNICATION (1910.1200 (e)):

Resin

4.1 The following is a list of HAZARDOUS CHEMICALS used in the common workplace of employees at Electro-Miniatures Corp.
Information as to the safety and/or hazard of each chemical can be obtained by reviewing material safety Data Sheets per para. 3.1.2

MATERIAL	HAZARDOUS MATERIAL	EFFECTS
2-Propanol	Resin Methylene Dianiline Phenylene Diamine .Acetone & Ethanol	Eye and skin irritation Eye, skin, and respiratory irritant Explosive when exposed to heat; eye irritant
(Isopropyl Alcohol) Freon Precision cleaning Agent	Fluorocarbon	Skin irritant, eye irritation, dryness of skin, inhaliation
Solder	Tin, lead, silver	of concentrated vapors can be fatal Stomach and intestinal irritability
Flux	Isopropyl, alcohol and Rosin	Skin or eye irritation, rash, headache or respatory irriant
Oxygen	N/A	Breathing may cause stuffiness and cough, sore throat and chest pains
Trichlorethylene Ethylene Trichloride		May cause Cancer & central nervous system depressant, inhalation may cause dizziness and nausea, headache, loss of coordination
	Silicates, Fibrous glass Antimony Oxide & Epoxy	Eye and skin irritant



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The following is a list of HAZARDOUS CHEMICALS that are used by a properly trained individual in our isolated plating department.

.			•
	MATERIAL	HAZARD	EFFECTS
ı	Muriatic Acid	Muriatic Acid	Causes severe burns of skin & eyes
	Sulfuric Acid	Sulfuric Acid &	Causes severe burns of skin & eyes
ļ		Water	
	Hydrochloric Acid	N/A	Causes severe burns of skin & eyes
	Nitric Acid	Nitric Acid &	Severe burns to skin & eyes
		Water	
	Potassium Cyanide	N/A	May be fatal if swallowed or
	· .		inhaled, causes eye burns &
1	_		irritation of skin
	Potassium Carbonate	N/A	Causes skin & mucous membrane
	_	•	irritation
۱	Potassium	Silver Cyanide	Life threatening if swallowed,
١	Silver Cyanide		inhaled or absorbed through skin
١	Sodium Hydroxide	Sodium Hydroxide	Severe burns to eyes & skin,
١			swallowing may be fatal, inhalation
ı			may damage upper respiratory
	Domin A. 1	N7 / 1	damage
l	Boric Acid	N/A	Irritates mucous membranes & eyes
	Gold Buffer Salts	N/A	Slight irritant to skin
I	Ammonium Persulfates		Eye & skin irritant
l	Enerox MC	Ethylenediamine	Irritant to nose, throat &
1	Accuclean	The January 1	respiratory system
	Sodium Bichromate	Hydrochloric Acid	Causes severe burns to eyes & skin
	Nickel Anti-Pitter.	Sodium Bichromate	The state of the s
	(wetting agent)	N/A	Slightly irritant to skin
1	Nickel Brightener	N / 7	Clickeland
	Nickel Sulfate	Nickel Sulfate	Slightly irritant to skin
ĺ		nicker Surrate	Irritant to eyes, skin &
	Nickel Chloride	Nickel Chloride	respiratory tract
		OHLOLIGE	Irritant to eyes, skin & respiratory tract
	Nickel Carbonate	N/A	Irritant to tyes, skin &
		•	Respiratory tract
	Plating Solution	N/A	Irritating to eyes & skin
	Additive T-G 30	• • •	zzzzedzing to eyes a skill
	Silvalorite II	Anitomy Trioxide	Corrosive to eyes, nose, throat &
		Potassium Hydroxide	skin
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7	S,

Electro-Miniatures Corp. PAGE:

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68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074 (201) 460-0510 TELETYPE (TWX) 710-989-0135

- 4.3 If in the event a non-routine hazardous task is deligated to an employee, the plant manager shall present a safety briefing which will include the following:
 - A. Specific chemical hazards.
 - B. Usage of protective equipment/safety percautions the employee can take.
 - C. Presence of a company official.
 - D. Measures the company has taken to lessen the hazards.
 - E. Emergency and/or first aid procedures for the employee.

5.0 <u>LABELS (1910.1200 (f))</u>:

- 5.1 Upon determination, the quality control designated representative shall label the hazardous product with "HMIS" labels (or equivalent) that will inform the user of determined health hazards.
- 5.1.1The label shall bear a code traceable to the supplier/manufacturer M.S.D.S.
- 5.1.2Labels shall be in English
- 5.2 The plant manager shall be responsible for verification of proper labels on all hazard determination products use.
- 5.2.1No hazard determined product shall be released for use without a label.

6.0 MATERIAL SAFETY DATA SHEETS (1910.1200 (g)):

- 6.1 Copies of M.S.D.S.'s for all hazardous products to which employee's may be exposed will be kept on file in the quality control area.
- 6.1.1The records will be available for review, per 3.1.1 & 3.1.2

7.0 EMPLOYEE TRAINING AND INFORMATION (1910.1200 (h)):

7.1 New Employee's

- 7.1.1 Before starting work, each new employee will be made aware of the safety program implemented at EMC.
- 7.1.2 The new employee shall receive a copy of the written communication program and informed of the chemicals in use that are related to his/her job. Percautions and preventive measures that can lessen the effects of hazardous chemicals shall be furnished, and what the company has implemented to maintain safety in the workplace. The new employee shall also be trained as to procedures to follow if they are exposed to hazardous chemicals.

Electro-Miniatures Corp. PAGE

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7.0 EMPLOYEE TRAINING AND INFORMATION (1910.1200 (h)):

- 7.2 Quarterly safety/meetings will be held by the EMC Safety Board and Hazardous Materials will be discussed.
- 7.2.1All employees shall be informed of the physical and health hazards of chemicals, and sign a form stating that they received written materials outlined above and received safety training.
- 7.2.2Notices will be posted on the employee bulletin boards that will provide an explanation of our container labeling system and the location of the M.S.D.S.'s on file.

8.0 INFORMING CONTRACTORS:

- It is the responsibility of the Purchasing Department Director 8.! to provide outside contractors and their employees with the following information:
 - A. Hazardous chemicals to which they may be exposed while on the job site.
 - B. Measures the contractors' employees may take to reduce the possibility of exposure.
 - C. Steps the company has taken to minimize the risks.
 - D. Notification that M.S.D.S.'s for all hazardous chemicals are on file in the Quality Control area.

REVISIONS

Revisions and changes to this Hazardous Communication Program will be based on changes in materials and updated technical procedures of this program.

Employees will be made aware of these changes via para. 7.0 of this program.



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074
(201) 460-0510 TELETYPE (TWX) 710-989-0135

(pay LI 1985

New Jersey Department of Environmental Protection Division of Waste Management 1259 Route 46 Parsippany, New Jersey 07054

Attn: Matthew Bigley: Investigator Ref: Violation received 4/30/85

Sir:

This letter is to inform you that the violation received 4/30/85for failing to properly label a hazardous waste has been remedied. S & W Waste, Inc. has been contracted and has labeled and removed all containers (drums) containing chlorinated solvents. A copy of the manifest, material profile sheet and purchase order have been enclosed for your review. During your visit at Electro-Miniatures, we were made aware that a facility generating a total of less than his kilograms of hazardous waste per month is not subject to regulation under Parts 262 through 265 and 122 through 124 of the RCRA. Since Electro-Miniatures does not generate this quantity of waste we are formerly applying to be removed from the generator list. In order to prevent any future problem all hazardous materials will be properly marked. All materials will be kept separately to enable reclaimation and all concerned personel will be given training necessary to ensure safety and compliance. If you have any further questions, please contact me directly.

Sincerely

Mark Pollack

Vice President, E.M.C.

AND FLECTRO-MECHANICAL ASSEMBLIES



Electro-Miniatures Corp.



68 W. COMMERCIAL AVE. MOONACHIE, NEW JERSEY 07074 AREA CODE (201) 460-0510 TWX: 710-989-0135

D & D Cepte, Inc. 115 Jacobup Avenue Sputh Kearmy, R.J. 07032

PURCHASE ORDER No. F 5369

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		744-1004	Jey Perlatoin	ì	SHIP TO THE ABOVE	ADDRESS UNLESS OF	THERWISE INDICATED
		PLEASE ENTE	ER OUR ORDER FOR TH	IE FOLLOWING MATERIAI NS AS SHOWN ON THE FAC	L IN ACCORDANCE	E WITH THE	
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						,	MANAGER

EXPEDITING COPY

S & W WASTE, INC.

115 JACOBUS AVE. • KEARNY, N.J. 07032 • (201) 344-4004

GENERATORS WASTE MATERIAL PROFILE SHEET

DATE

TITLE

APPROVAL CODE	
TECHNICIAL REP. INITIALS	

GENERATOR NAME		GENERATOR	R EPA I.D. NO	
AND ADDRESS				
TECHNICIAL CONTACT				
WASTE NAME				
PROCESS GENERATING WASTE				
DINOIGH CHARLES				
B. PHYSICAL CHARACTERISTICS OF	WASTE			
PHYSICAL STATE @ 70°F ODOR	☐ ORGANIC	BTU VALUE PER LB	LAYERS	тос
C SEMI-SOLID C POWDER COLOR	□ INORGANIC	% CL % S	☐ MULTI LAYERED	COD
% LIQUID	☐ CHLORINATED	BS&W	· }	% SOLIDS
	ORGANIC			% SOLIDS
pH: □ 0-2 □ 7.1-10 □ N/A	SPECIFIC ☐ < .8 GRAVITY ☐ .89	☐ 1.1-1.24	FLASH □ < 100	
☐ 2.1-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ <12.5	GRAVITY □ .89 □ .995	□ 1.25-1.4 □ 1.5-1.7	POINT 100-140	
☐ 7 ☐ EXACT	☐ .95-1. ☐ 1.0-1.		(°F) ☐ 140-200	D EXACT
	5 1.0-1.	EXACT.		
		ORAL EXPLOSIVE WATER REACTIVE		
		☐ EXPLOSIVE ☐ WATER REACTIVE ☐ MSDS ATTACHED G. MANIFEST INE	SHOCK SENSITIVE FORMATION PPING NAME	
_		□ EXPLOSIVE □ WATER REACTIVE □ MSDS ATTACHED G. MANIFEST INI PROPER DOT SHIP DOT HAZARD CLASS	FORMATION PPING NAME	
		□ EXPLOSIVE □ WATER REACTIVE □ MSDS ATTACHED G. MANIFEST INE PROPER DOT SHIE DOT HAZARD CLASS UN/NA NO.	FORMATION PPING NAME	
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GENERAL SIGNATURE

S & W WASTE, INC.
1'5 JACOBUS AVE. • KEARNY, N.J. 07032 • (201) 344-4004

GENERATORS WASTE MATERIAL PROFILE SHEET

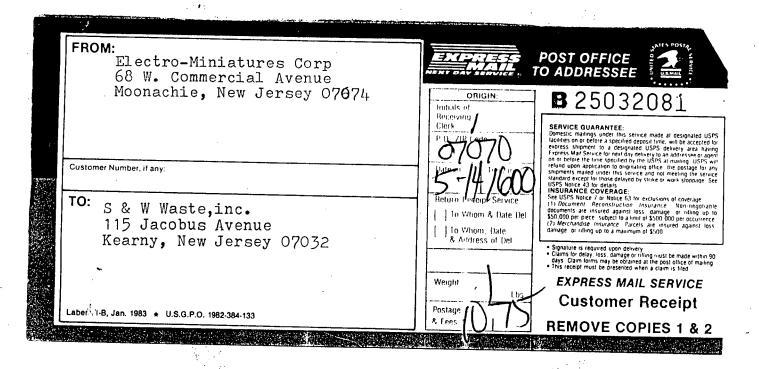
DATE

TITLE

APPROVAL CODE	_
TECHNICIAL REP. INITIALS	

D ADDRESS				
CHNICIAL CONTACT			PHONE	
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OCESS GENERATING WASTE				
PHYSICAL CHARACTERISTICS OF W	/ASTE			
SICAL STATE @ 70°F ODOR	☐ ORGANIC	BTU VALUE PER LB	LAYERS	тос
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QUID	☐ CHLORINATED ORGANIC	BS&W	_ ☐ SINGLE PHASED	% SOLIDS
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GENERAL SIGNATURE



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT 1259 ROUTE 48 PARSIPPANY, N.J. 07054

NOTICE OF VIOLATION

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NAME	OF OPERATOR _	MARKA	OLLAC	大		
You a	re hereby NOTI	FIED that during my i	inspection of y	your facilit	y on the above o	date, the following
riolatio	on(s) of the So	lid Waste Management	Act, (N.J.S.A	. 13:1E-1 (et seq.) and Reg	ulations (N.J.A.C
		ulgated thereunder an			•	
58: 10-	23.11 et seq.) a	nd Regulations (N.J.A.	.C. 7:1E-1 et	seq.) promi	ulgated thereund	der were observed
These	violation(s) hav	e been recorded as pa	art of the peri	manent enf	orcement histor	y of your facility
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Investigator, Division of Waste Management Department of Environmental Protection



State of New Jersey Department of Environmental Protection Division of Waste Management ON 028, Trenton NJ 08625 eitle (12-piton) vypowiter

UNIFORM HAZARDOUS WASTE MANIFEST	u b le la	us era 10 % Ni sisi el al sig		D Page 1	Information is not rec	on in the shader: areas jured by Federal law.*
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Department of Environmental Protection Division of Waste Management CN 028, Trenton, NJ 08625

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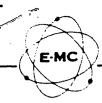


State of New Jersey Department of Environmental Protection Division of Waste Management CN 025, Trenton, NJ 08625

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Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074
(201) 460-0510 TELETYPE (TWX) 710-989-0135

June 19, 1985

Bureau of Hazardous Waste Planning and Classification 32 East Hanover Street Trenton, New Jersey 08625

Attn: Shirley Schiffman

Ref: Dicertification of generator status

Electro-Miniatures Corporation formally requests that it be removed from the list of facilities classified as hazardous waste generators. (EPA#NJD069298602) In March of 1985, Electro-Miniatures applied for and received an E.P.A. identification number so that chlorinated solvents gathered at our facility could be properly removed and disposed of. Upon completion of the clean up, Electro-Miniatures has found that the need to use chlorinated solvents in quantity is not necessary. In fact we will be generating considerably less than 100 kilogram per month limit.

This being the case we request removal of our company from the list of hazardous waste generators. Should you require additional information and/or wish to inspect our premises please contact me directly. Thank you so much for your help

in this matter.

Regards,

Mark Pollack

Vice President EMC

MP/mc

CHRONIC AND TELCTRO MECHANICAL ASSEMBLIES



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074 (201) 460-0510 TELETYPE (TWX) 710-989-0135

June 19, 1985

New Jersey Department of Environmental Protection Division of Waste Management 1259 Route 46 Parsippany, New Jersey 07054

Attn: Gary Bedrosian Ref: Generator status

As per our recent phone conversation, Electro-Miniatures is and will not be generating hazardous waste in quantities greater than 100 kilograms per month. For this reason we are requesting to be removed from the list of hazardous waste generators.

I have enclosed a copy of our formal request for removal sent to Ms. Shirley Schiffman at planning and classification in Trenton. Should you require an inspection please contact me directly.

Thank you so much for your attention in this matter.

Regards

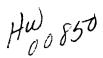
Mark Pollack

Vice President EMC

MP/mc

enclosure

---- ELLETRONIC AND CLECTRO-MECHANICAL ASSEMBLIES





State of New Jersey.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 120 Rt, 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E. DIRECTOR LINO F. PEREIRA DEPUTY DIRECTOR

AUG 1 4 1985

(IN THE MATTER OF) (ELEKTRO MINIATURES)

ADMINISTRATIVE ORDER

The following FINDINGS are made and ORDER is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (Department) by N.J.S.A. 13:1D-1 et seq., the Solid Waste Management Act, as amended and supplemented, N.J.S.A. 13:1E-1 et seq., and duly delegated to the Assistant Director for Enforcement and Field Operations, Division of Waste Management, pursuant to N.J.S.A. 13:1B-4.

FINDINGS

- 1) The New Jersey Department of Environmental Protection (hereinafter "the Department") has determined that Elektro Miniatures (hereinafter "EM") is a generator of hazardous waste (EPA ID #NJD065298602) as defined by N.J.A.C. 7:26-1.4 and is located at Block 66, Lot 6, 68 W. Commercial Avenue, Township, Bergen County, New Jersey.
- 2) During an inspection of EM by a Departmental representative on April 30, 1985 it was noted that EM had failed to label a hazardous waste container properly. This is a violation of N.J.A.C. 7:26-7.2(a).
- 3) During an inspection of EM by a Departmental representative on June 20, 1985, it was noted that EM had failed to properly label a hazardous waste container. This is a violation of N.J.A.C. 7:26-9.3(a)3.
- 4) During an inspection of EM by a Departmental representative on June 10, 1985 it was also noted that the hazardous waste containers were not labeled with the accumulation start dates. This is a violation of N.J.A.C. 7:26-9.4(d)4v.
- 5) A letter dated May 21, 1985 received by the Department from EM indicated that EM was in compliance with N.J.A.C. 7:26-7.2(a). A follow-up inspection conducted on June 10, 1985 proves this fact.

Elektro Miniatures Administrative Order Page 2

ORDER

NOW, THEREFORE, IT IS HEREBY ORDERED that Elektro Miniatures, its principals, agents, employees, successors, assigns, tenants, and any receiver or trustee in bankruptcy appointed pursuant to a proceeding in law or equity, (should such an entity be appointed to take control of the facility which is the subject of this Order) shall:

- 6) Immediately upon receipt of this Administrative Order, label all hazardous waste containers properly so as to comply with N.J.A.C. 7:26-9.3(a)3.
- 7) Continue to comply with N.J.A.C. 7:26-7.2(a), continue to label all hazardous waste containers properly.
- 8) Immediately upon receipt of this Administrative Order, label all accumulation start dates on all hazardous waste containers, so as to comply with N.J.A.C. 7:26-9.4(d)4v.
- 9) Within fifteen (15) calendar days of receipt of this Administrative Order, submit an affidavit of compliance identifying the actions taken to correct the violations cited in the Findings Section and to comply with this Administrative Order.
- 10) All documentation that is to be submitted to the Department shall be sent to:

New Jersey Department of Environmental Protection Division of Waste Management Bureau of Compliance & Enforcement 120 Route 156 Yardville, NJ 06820 Attention: Joe DeSantis

BE ON NOTICE that the maximum civil penalty for violations of the Solid Waste Management Act or an ORDER issued pursuant thereto is \$25,000 per day.

Joseph A. Rogalski Assistant Director

F01:F033:1mc





State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION *

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E. DIRECTOR

LINO F. PEREIRA DEPUTY DIRECTOR

AUG 1 4 1985

Elektro Miniatures 68 W. Commercial Avenue Moonachie, NJ 07074

Attention: Mark Pollack

Re: Penalty Settlement Offer

Dear Mr. Pollack:

Attached is an Administrative Order concerning a violation of the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq and regulations promulgated thereunder, specifically N.J.A.C. 7:26-9.3(a)3, 9.4(d)4v and 7.2(a).

Pursuant to the terms of the Administrative Order, the violations must be corrected and the rules and regulations of this Department must be complied with by the specified date.

In addition, a penalty settlement offer of \$1,500.00 will be held open until AUG 2.8,1985 to allow for an amicable resolution of this statutory claim for the referenced violation. Be advised that N.J.S.A. 13:1E-9c provides for a maximum civil penalty of \$25,000 per day for violations of this nature.

In the event of non-compliance with the Administrative Order and/or non-acceptance of this penalty settlement offer, this matter will be referred to the Office of the Attorney General for the initiation of litigation to enforce the Order and seek the full penalties allowed by law.

Should you wish to discuss the specifics for acceptable compliance with these directives, contact Joe DeSantis at (609) -984-3691

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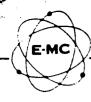
Mr. Mark Pollack Elektro Miniatures Page 2

Be advised that such discussion will not automatically delay or otherwise extend the deadline for compliance with the Administrative Order.

Very truly yours,

Joseph A. Rogalski
Assistant Director
Field Operations, Compliance
and Enforcement

F01:F032:1mc Attachments



Electro-Miniatures Corp.

68 WEST COMMERCIAL AVENUE • MOONACHIE, NEW JERSEY 07074
(201) 460-0510 TELETYPE (TWX) 710-989-0135

August 19, 1985

New Jersey Dept. of Environmental Protection Division of Waste Management Bureau of Compliance and Enforcement 120 Route 156 Yardville, New Jersey 06820

Attn: Joe DeSantis

Ref: Penalty settlement offer and Administrative order

Sir:

Electro-Miniatures is in receipt of the referenced documents and advises as follows:

- 1). Enclosed please find a check, in the amount of \$1,500.00, for payment of the settlement offer as stipulated in your letter (rec'd 8/14/85). This payment provides an amicable resolution of this statutory claim for the referenced violation and will close this matter in its entirety.
- 2). As per our telecon of 8/19/85, Electro-Miniatures is no longer a generator of Hazardous waste as defined in N.J.A.C. 7:26-1.4 and has requested to be removed from the list of hazardous waste generators. I have enclosed letters to the N.J.D.E.P. and Bureau of Hazardous Waste to this effect.
- 3). Chlorinated waste was generated in small quantities due to a process required to clean ball bearings. This process has been stopped and bearings are now purchased already cleaned and lubricated by the manufacturer.
- 4). Please be advised that the need for proper labeling and the recording of accumulation start dates will not be necessary as hazardous waste is no longer generated.

SEMBICION OF THE SEMBIC

5). Should you require an inspection of our premises we are open from 7:45 A.M. to 4:15 P.M. Monday through Friday.

If you have any further questions or problems please do not hesitate to contact me directly. Thank you so much for your attention in this matter.

Sincerely

Mark Pollack

Vice President EMC

MP/mc

Enclosure

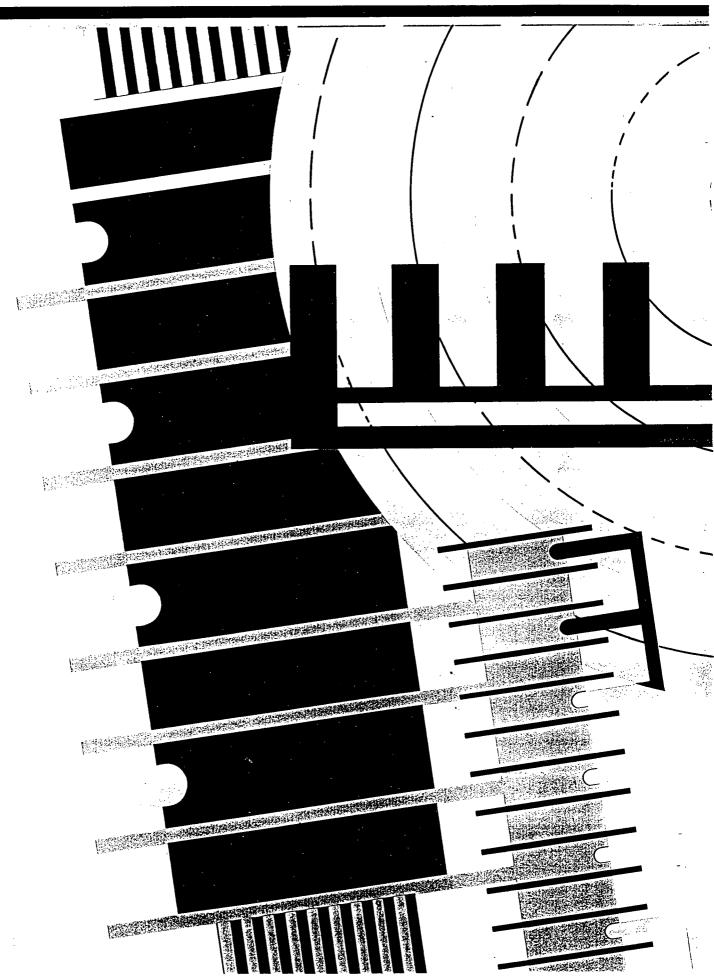
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Electro-Miniatures Corporation @





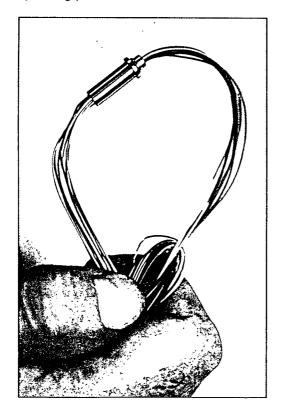


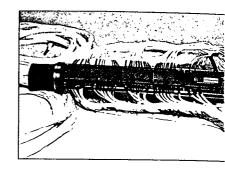
Electro-Miniatures Corp.

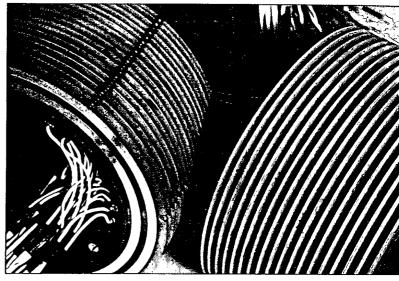
Electro-Miniatures Corporation has been in business for more than thirty-five years. We design and manufacture slip ring assemblies for all branches of the US Armed Forces, a large number of primary defense contractors, and many commercial/industrial concerns.

Over the years, EMC has designed and built thousands of slip ring assemblies ranging from economical "off the shelf" assemblies to the most sophisticated slip rings available. Most units are designed to meet rigid and detailed customer specification where high reliability in a hostile environment is a requirement. Whether the end use be ground based, ground mobile, shipboard, airborne or space, we can meet your production, reliability and workmanship needs.

Slip ring assemblies provide a means of transferring electrical energy from stationary to rotating structures. Slip rings may also contain pneumatic couplings and hydraulic joints accomodating a large range of operating pressures and flow rates.



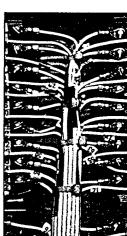




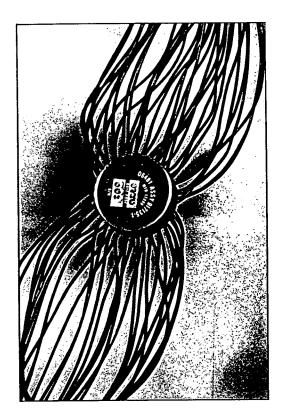
Applications for which EMC has supplied slip rings include:

- Shipboard communications, tracking and fire control
- Ground and ground mobile radar pedestals
- Inertial navigation systems
- Missile launching and tracking
- Instrumentation and control
- Satellite solar arrays
- Armored vehicles/turrets
- Submarine periscopes
- · Helicopter blade indexing and de-icing
- Test equipment/cells
- Industrial/military cable reel systems
- Robotics
- Commercial marking and packaging equipment

Today's market demands versatility. Our goal is to supply an assembly that meets our customers' exact needs. Our experience in designing and producing slip ring assemblies allows us to supply the correct configuration for your requirements. New designs and modifications to existing ones can be made on any requirement from instrumentation separates and miniature capsules to large drum and/or platter assemblies. In addition, we retain the in-







house capabilities necessary to minimize dependence on outside suppliers. These capabilities include:

- All design engineering and research/ development
- Mold, tool and die fabrication
- Metal finishing
- Precious metal plating
- CNC equipped machine shop
- Epoxy casting and plastic molding
- Electrical, mechanical and environmental testing

Electro-Miniatures Corporation maintains quality and inspection systems complying with the requirements of Mil-Q-9858A and Mil-I-45208A.

The following provides a brief look at the markets and services EMC supplies.

Slip Ring Capsules

EMC is both a pioneer and a leader in the design and manufacture of capsule assemblies. Used primarily in the inertial guidance packages of sophisticated military and commercial aircraft, capsules may also be used in a variety of test, antenna, and instrumentation applications. EMC has supplied slip rings for such applications as the F-15 Aircraft, Cruise Missile and the Positioning Azimuth Determination System.

Combining innovative design and manufacturing methods, we have met the most critical specification requirements including package size, environment, torque and electrical parameters. Capsule features include:

- Two to three hundred line capacity
- Current carrying capacity to 35 amps
- Dielectric to 2000 VAC
- Low noise, low torque capability
- Resistance welded leadwire
- Low outgassing plastics
- A variety of ring/brush combinations

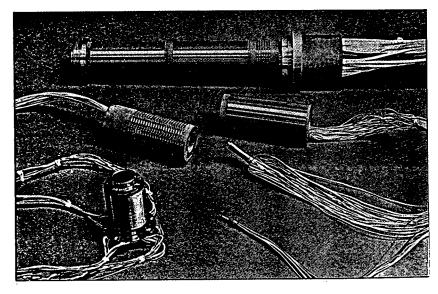
For a more detailed view of capsule configuration, size and current handling capability, see our slip ring capsule literature.

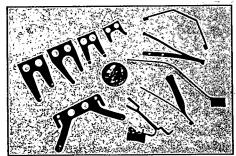


Slip Ring Separates

An alternative to a completely enclosed assembly, slip ring separates are individual rotor and brush assemblies that are mated by the customer. Slip ring separates may be extremely small for use in aircraft instrumentation and gyro packages or larger to accomodate machinery power requirements.









Separates can be molded or cast, depending upon application. Rotor configurations include flat discs with a concentric ring arrangement and drums with rings located next to one another along the rotor length. Rotor barrel diameters less than .070" and brush wire contacts as small as .004" in diameter can be supplied. Brushes include precious metal wire wipers or spring leafs with silver graphite composite contacts.

Shipboard Applications

Rotating components require special attention when they are designed to operate in a marine environment. EMC has designed and constructed a variety of assemblies for shipboard applications. The MK 86 fire control system slip rings incorporate a special epoxy paint system and stainless steel connectors to retard corrosion. Seals and gaskets are employed to prevent moisture from entering the assembly and insulating materials were selected for their resistance to water absorption and fungus growth. We have also designed and built slip ring assemblies for the Polaris and Trident submarine periscopes. In addition to all naval bronze construction, these units offer UHF coaxial circuits accommodating frequencies from D.C. to 1 gigahertz.

Other shipboard applications include cable reel slip ring assemblies. Mounted in cable reel hubs, these assemblies provide contact for high operating currents and voltages, as well as low level signals. Generally employed in survey and towed antenna applications, these assemblies meet strict marine requirements.

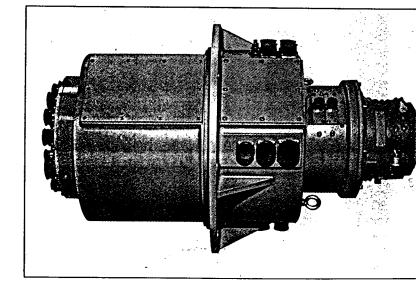


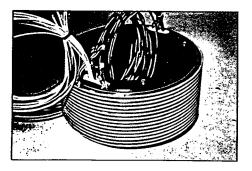
Pedestal Applications

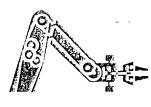
Antenna pedestal slip rings include an assortment of control, data, logic, high frequency and power circuits. EMC pedestal slip rings are designed and built with these requirements in mind. Isolation requirements generally dictate shielding and special cabling. In some instances circuits are "boxed" to reduce crosstalk. We have successfully provided group to group isolation of –100dB and ring to ring isolation of –80 dB at 160 megahertz. Additional features such as VSWR of 1.1:1, phase shift of .5° maximum, and insertion loss of less than .1 dB can be provided.

Pedestal slip rings are designed to meet a variety of environmental requirements. High altitude and low temperature require special contact and bearing lubrication. Shock and vibration requirements demand structural integrity and the absence of any resonance. Salt, sand and noxious atmospheres dictate seals and gasketing with compatible materials. EMC designs every unit with these and other requirements in mind. Format or configuration may vary depending

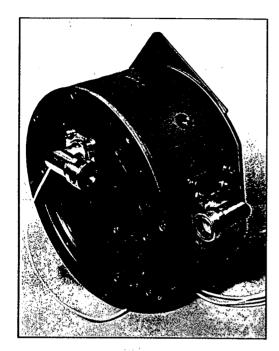












upon space allotment. Platters with over 36 concentric rings on a single plane generate short unit lengths. Drum designs afford longer unit lengths with much smaller diameters. Various combinations of these configurations generate a broad range of capability to 1000 circuits.

Found in programs such as the AN/TPS-43/70, ASDE-3, Sea Sparrow, Bowlegs and C5A, EMC pedestal rings provide maximum transmission with minimal interference.

Vehicles and Helicopters

Vehicular slip ring assemblies provide a power and signal interface for the turrets of armored vehicles. They may also provide a passageway for breathable air and/or hydraulics. The combination of electrical, pneumatic and hydraulic slip rings in one package requires superior engineering and construction. Flow rates to 30 GPM at 2000 PSI have been achieved together with a low pressure air coupling to 6 PSI. In addition, construction is such that EMC slip rings will be unaffected by shock and vibration extremes encountered in armored vehicles.

Helicopter slip rings are located in the main and tail rotor sections of the aircraft and provide a path for blade indexing information and de-icing power requirements. Design features include long life at speeds of rotation to 1800 RPM and minimal susceptibility to vibration. EMC helicopter slip rings may include all stainless steel construction, mating gear drives, and extensive shielding.

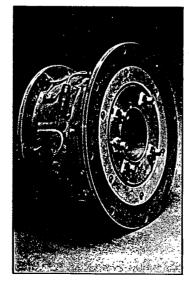
Slip Ring Standards

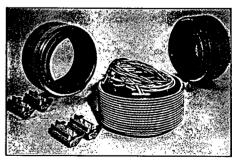
Not all slip ring assemblies are specially designed and constructed. Today's market may require a cost effective assembly in less than two weeks. To satisfy this demand, we have a complete line of slip ring standards. Our open D07000 and AJ20000 series, and enclosed D04000 series, provide excellent reliability and performance at a modest price. Effective in temperature and stress analysis, packaging equipment, robotics, cameras, etc., these assemblies offer low noise, current carrying capacity to 40 amperes and speeds of rotation to 1500 RPM.



EMC also offers standard capsules and other assemblies for industry. Call or write for our standards literature.











Special Applications

EMC manufactures slip rings for all special applications. High speed applications to 50,000 RPM may include brush lifters to increase brush life. Deep sea applications must withstand enormous hull pressures, while units submerged in liquids must incorporate compatible materials. Deep space and hard vacuum applications demand extended unit life requiring special ring and brush materials and/or lubrication. Whatever the application, we can supply the assembly you need.



Manufacturing Services

EMC also provides a wide range of manufacturing services. Years of precision assembly, metal working/finishing, welding/soldering, and plastic molding have made us an excellent source for manufacturing products to customer specifications.



EMC has produced test equipment for ultrasound diagnostic systems, machined latch assemblies for the Space Shuttle Program and provided gold plating consultation for the jewelry industry. If you require manufacturing services contact us directly to discuss your needs.

It is likely that more specific information may be required for your current or future projects. Please let us know how we can be of service to you.

EMC is located in the Meadowlands Industrial Complex of northern New Jersey. We can be easily reached from all three metropolitan airports. Call or write us with your requirements. We look forward to working with you in the near future.

Electro-Miniatures Corporation 68 West Commercial Avenue Moonachie, New Jersey 07074 PHONE: (201) 460-0510 TWX: 710-989-0135 FAX: (201) 935-8153

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Moonachie New Jersey 07074

INDUSTRIAL PRETREATEMENT PROGRAM WASTEWATER DISCHRGE

CHAIN OF CUSTODY

Client Sample Identification	Analysis Required	Date/Time	Sample Type	Station Location	No. of Containers
EMC pH	pН		Grab	Plate Room Discharge	1
EMC Cyanide	Cyanide		Grab	Plate Room Discharge	1
EMC Cadmium	Cadmium		Grab	Plate Room Discharge	.1
EMC Lead	Lead		Grab	Plate Room Discharge	1
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METHOD OF SHIPMENT: HAND CARRIED					
SAMPLED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME		
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME		
RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME		
RELINQUISHED BY:	DATE / TIME	LABORATORY ENTRY:	DATE / TIME		
Clearly Print Name and Sign					
REMARKS					